APPENDIX A

ENVIRONMENTAL COVENANT

6156256 COV
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PORT OF RIDGEFIELD

RETURN ADDRESS

PORT OF RIDGEFIELD
PO BOX 55
RIDGEFIELD, WA 98642

Please print neatly or type information

Document Title(s)

ENVIRONMENTAL COVENANT

Reference Number(s) of related documents:

Additional Reference #'s on page ____

Grantor(s) (Last name, First name and Middle Initial)

PORT OF RIDGEFIELD

Additional grantors on page ____

Grantee(s) (Last name, First name and Middle Initial)

WA DEPARTMENT OF ECOLOGY

Additional grantees on page ____

Legal Description: (abbreviated form: i.e. lot, block, plat or section township, range, quarter/quarter)

#75 of Jame Canty DLC

Additional legal is on page 1

Assessor's Property Tax Parcel/Account Number

06835-000

Additional parcel #'s on page 1

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein.

I am requesting an emergency nonstandard recording for an additional fee as provided in RCW 36.18.010. I understand that the recording process may cover up or otherwise obscure some part of the text of the original document.

Signature of Requesting Party

After Recording Return
Original Signed Covenant to:
Cameron Penner-Ash
Toxics Cleanup Program
Department of Ecology
300 Desmond Drive Southeast
Lacey, WA 98503-1274

Environmental Covenant

Grantor: Port of Ridgefield
Grantee: State of Washington, Department of Ecology (hereafter "Ecology")
Brief Legal Description: James Carty Donation Land Claim No. 48 in Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington and Arthur Quigley Donation Land Claim No. 38 and 50 in Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington.
Tax Parcel Nos.: 068345-000, 067898-000, 067997-000, 067991-003, 067998-000, 067883-000, 068331-000, 067897-000, 219386-000, 068314-000, 068360-000, AND 068362-000
Cross Reference: CONSENT DECREE NO. 13-2-03830-1

RECITALS

a. This document is an environmental (restrictive) covenant (hereafter "Covenant") executed pursuant to the Model Toxics Control Act ("MTCA"), chapter 70.105D RCW, and Uniform Environmental Covenants Act ("UECA"), chapter 64.70 RCW.

b. The Property that is the subject of this Covenant is part or all of a site commonly known as **Pacific Wood Treating Corp, Ecology Facility Site Identification No. 1019.** The Property is legally described in Exhibit A, and illustrated in Exhibit B, both of which are attached (hereafter "Property"). If there are differences between these two Exhibits, the legal description in Exhibit A shall prevail.

c. The Property is the subject of remedial action conducted under MTCA. This Covenant is required because residual contamination remains on the Property after completion of remedial actions. Specifically, the following principal contaminants remain on the Property:

Medium	Principal Contaminants Present
Soil	Metals, polycyclic aromatic hydrocarbons (PAHs), pentachlorophenol, petroleum hydrocarbons, dioxins
Groundwater	Metals, PAHs, pentachlorophenol, petroleum hydrocarbons, volatile organic compounds

d. It is the purpose of this Covenant to restrict certain activities and uses of the Property to protect human health and the environment and the integrity of remedial actions conducted at the site. **This Covenant includes the following Exhibits:**

Exhibit A —Legal Description

Exhibit B —Property Map

Exhibit C-1—Final Cap Overview

Exhibit C-2—Areas with Potential Vapor Concern

Records describing the extent of residual contamination and remedial actions conducted are available through Ecology. **This includes the following documents:**

- **Former PWT site Remedial Investigation and Feasibility Study. Prepared for the Port of Ridgefield, by Maul Foster & Alongi, Inc., Vancouver, Washington. July 2013.**
- **Cleanup Action Plan, former Pacific Wood Treating Co. site. Prepared by Washington State Department of Ecology. November 2013.**
- **Construction Completion Report, Railroad Avenue. Prepared for the Port of Ridgefield, by Maul Foster & Alongi, Inc., Vancouver, Washington. January 2014.**
- **Cells 1, 2, 3, and 4 Interim Action Completion Report. Prepared for the Port of Ridgefield, by Maul Foster & Alongi, Inc., Vancouver, Washington. July 2021.**
- **Comprehensive Operations and Maintenance Plan, Former Pacific Wood Treating Co. Site. Prepared for the Port of Ridgefield, by Maul Foster & Alongi, Inc., Vancouver, Washington.**

e. This Covenant grants Ecology certain rights under UECA and as specified in this Covenant. As a Holder of this Covenant under UECA, Ecology has an interest in real property, however, this is not an ownership interest which equates to liability under MTCA or the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. § 9601 *et seq.* The rights of Ecology as an "agency" under UECA, other than its' right as a holder, are not an interest in real property.

f. Two PLPs are local governments. The Port of Ridgefield, as a port district organized pursuant to Title 53 Revised Code of Washington and the City of Ridgefield, as a non-charter code city organized pursuant to Title 35A of the Revised Code of Washington, have clear and distinct statutory powers and missions. In order to maximize grant and loan eligibility for Property site improvements, including but not limited to Brownfield Redevelopment Authority, and to efficiently exercise the statutory powers integral to reclaim the Site and reutilize it for the benefit of the community and the economy, a transfer, lease or exchange between them of any legal or equitable interest in the Property [hereinafter, "conveyance'] within and adjacent to the Property is in the best interest of the public. It is consistent with the purpose of this Covenant to allow such transfers, leases or exchanges among or between PLPs as long as the use restrictions protecting human health remain in effect and the uses do not undermine the integrity of the remedial activities as set forth in Section 1 of this Covenant.

COVENANT

PORT OF RIDGEFIELD, as Grantor and FEE SIMPLE owner of the Property hereby grants to the Washington State Department of Ecology, and its successors and assignees, the following covenants. Furthermore, it is the intent of the Grantor that such covenants shall supersede any prior interests the GRANTOR has in the property and run with the land and be binding on all current and future owners of any portion of, or interest in, the Property.

Section 1. General Restrictions and Requirements.

The following general restrictions and requirements shall apply to the Property:

a. Interference with Remedial Action. The Grantor shall not engage in any activity on the Property that may impact or interfere with the remedial action and any operation, maintenance, inspection or monitoring of that remedial action without prior written approval from Ecology.

b. Protection of Human Health and the Environment. The Grantor shall not engage in any activity on the Property that may threaten continued protection of human health or the environment without prior written approval from Ecology. This includes, but is not limited to, any activity that results in the release of residual contamination that was contained as a part of the remedial action or that exacerbates or creates a new exposure to residual contamination remaining on the Property.

c. Continued Compliance Required. Grantor shall not convey any interest in any portion of the Property without providing for the continued adequate and complete operation, maintenance and monitoring of remedial actions and continued compliance with this Covenant. Provided, however, due to the fact PLPs have executed and remain subject to the terms of this Covenant, a conveyance of any interest in the Property between or among PLPs shall be presumed to satisfy the requirement of an adequate and complete operation, maintenance and monitoring of remedial actions and compliance with this Covenant.

d. Leases. Grantor shall restrict any lease for any portion of the Property to uses and activities consistent with this Covenant and notify all lessees of the restrictions on the use of the Property.

e. Preservation of Reference Monuments. Grantor shall make a good faith effort to preserve any reference monuments and boundary markers used to define the areal extent of coverage of this Covenant. Should a monument or marker be damaged or destroyed, Grantor shall have it replaced by a licensed professional surveyor within 30 days of discovery of the damage or destruction.

Section 2. Specific Prohibitions and Requirements.

In addition to the general restrictions in Section 1 of this Covenant, the following additional specific restrictions and requirements shall apply to the Property.

a. **Containment of Soil/Waste Materials.**

The remedial action for the Property is based on containing contaminated soil under a cap as described in the Soil Management and Cap Maintenance Plan (SMCMP), which is an appendix to the Comprehensive Operations and Maintenance Plan, and includes the following:

Type of Use	Typical Section
Landscaping/green space: • <2 feet soil	• Geotextile as demarcation; no landscaping; impermeable surface required (e.g., pavement, impermeable liner to prevent infiltration, buildings)
• 2 to 3 feet soil or gravel	• Geotextile as demarcation layer; ground cover as outlined in the TEE (MFA, 2013); gravel surfaces, or additional as approved by Ecology; any grasses
• 3 to 6 feet soil or gravel	• Geotextile as demarcation layer; shrubs or trees as outlined in TEE (MFA, 2013); gravel surfaces, or additional as approved by Ecology; any grasses
• >6 feet soil	• No geotextile and no vegetation planting restrictions
Parking	Impermeable surface (min. thickness 3 inches) with clean subbase as necessary for construction
Building/structure	Slab-on-grade (min. thickness 3 inches) with subbase as necessary for construction
Sidewalk/pathway	Impermeable surface (min. thickness 2.5 inches) with clean subbase as necessary for construction or gravel surface with minimum 2 feet clean fill
NOTE: TEE = terrestrial ecological evaluation.	

The cap is located as illustrated in **Exhibit C-1**. The primary purpose of this cap is to minimize the potential for contact with contaminated soil. As such, the following restrictions shall apply within the area illustrated in **Exhibit C-1**:

i. Activities that temporarily disturb the cap shall comply with the Ecology approved SMCMP for the Property.

ii. Any activity on the Property that will compromise the integrity of the cap including: drilling; digging; piercing the cap with sampling device, post, stake or similar device; grading; excavation; installation of underground utilities; removal of the cap; or, application of loads in excess of the cap load bearing capacity, is prohibited without prior written approval by Ecology.

iii. The Grantor shall report to Ecology within forty-eight (48) hours of the discovery of any damage to the cap. Unless an alternative plan has been approved by Ecology in writing, the Grantor shall promptly repair the damage and submit a report documenting this work to Ecology within thirty (30) days of completing the repairs.

iv. The Grantor shall not alter or remove the existing structures on the Property in any manner that would expose contaminated soil, result in a release to the environment of contaminants, or create a new exposure pathway, without prior written approval of Ecology. Should the Grantor propose to remove all or a portion of the existing structures illustrated in **Exhibit C-1** so that access to the underlying contamination is feasible, Ecology may require treatment or removal of the underlying contaminated soil.

Section 5. Modification or Termination.

a. Grantor must provide written notice and obtain approval from Ecology at least sixty (60) days in advance of any proposed activity or use of the Property in a manner that is inconsistent with this Covenant. For any proposal that is inconsistent with this Covenant and permanently modifies an activity or use restriction at the site:

i. Ecology must issue a public notice and provide an opportunity for the public to comment on the proposal; and

ii. If Ecology approves of the proposal, the Covenant must be amended to reflect the change before the activity or use can proceed.

b. If the conditions at the site requiring a Covenant have changed or no longer exist, then the Grantor may submit a request to Ecology that this Covenant be amended or terminated. Any amendment or termination of this Covenant must follow the procedures in MTCA and UECA and any rules promulgated under these chapters.

c. By signing this agreement, per RCW 64.70.100, the original signatories to this agreement, other than Ecology, agree to waive all rights to sign amendments to and termination of this Covenant.

Section 6. Enforcement and Construction.

a. This Covenant is being freely and voluntarily granted by the Grantor.

b. Within ten (10) days of execution of this Covenant, Grantor shall provide Ecology with an original signed Covenant and proof of recording and a copy of the Covenant and proof of recording to others required by RCW 64.70.070.

c. Ecology shall be entitled to enforce the terms of this Covenant by resort to specific performance or legal process. All remedies available in this Covenant shall be in addition to any and all remedies at law or in equity, including MTCA and UECA. Enforcement of the terms of this Covenant shall be at the discretion of Ecology, and any forbearance, delay or omission to exercise its rights under this Covenant in the event of a breach of any term of this Covenant is not a waiver by Ecology of that term or of any subsequent breach of that term, or any other term in this Covenant, or of any rights of Ecology under this Covenant.

d. The Grantor shall be responsible for all costs associated with implementation of this Covenant. Furthermore, the Grantor, upon request by Ecology, shall be obligated to pay for Ecology's costs to process a request for any modification or termination of this Covenant and any approval required by this Covenant.

e. This Covenant shall be liberally construed to meet the intent of MTCA and UECA.

f. The provisions of this Covenant shall be severable. If any provision in this Covenant or its application to any person or circumstance is held invalid, the remainder of this Covenant or its application to any person or circumstance is not affected and shall continue in full force and effect as though such void provision had not been contained herein.

g. A heading used at the beginning of any section or paragraph or exhibit of this Covenant may be used to aid in the interpretation of that section or paragraph or exhibit but does not override the specific requirements in that section or paragraph.

The undersigned Grantor warrants he/she holds the title **to the Property and** has authority to execute this Covenant.

EXECUTED this 8th day of November, 2023.

by: _ RANDY MUELLER

Title: Chief Executive Officer

REPRESENTATIVE ACKNOWLEDGEMENT

STATE OF Washington
COUNTY OF Clark

On this 8th day of November, 2023, I certify that Randy Mueller personally appeared before me, acknowledged that **he/she** signed this instrument, on oath stated that **he/she** was authorized to execute this instrument, and acknowledged it as the Chief Executive Officer of the Port of Ridgefield to be the free and voluntary act and deed of such party for the uses and purposes mentioned in the instrument.

WONDER BALDWIN NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES 6-05-24 136401

Wonder Baldwin
Notary Public in and for the State of Washington
Residing at Clark County
My appointment expires June 5, 2024

b. The Grantor covenants and agrees that it shall annually, or at another time as approved in writing by Ecology, inspect the cap down to the ordinary high-water line, and report within thirty (30) days of the inspection the condition of the cap and any changes to the cap that would impair its performance.

c. **Stormwater facilities.**

To minimize the potential for mobilization of contaminants remaining in the soil/waste materials on the Property, no stormwater infiltration facilities or ponds shall be constructed on the Property unless approved by Ecology. All stormwater catch basins, conveyance systems, and other appurtenances located within this area shall be of water-tight construction.

d. **Vapor/gas controls.**

The residual contamination on the Property includes volatile chemicals that may generate harmful vapors. As such, the following restrictions shall apply within the area of the Property illustrated in **Exhibit C-2** to minimize the potential for exposure to these vapors:

i. Any building or other enclosed structure constructed within this area shall be constructed with a sealed foundation and with a vapors control system installed and maintained to prevent the migration of vapors into the building or structure.

ii. Alternatively, soil gas characterization may be conducted to assess risk to human health. Ecology may approve construction without vapor mitigation if risk to human health is found to be acceptable.

e. **Groundwater Use.**

The groundwater beneath the Property remains contaminated and shall not be extracted for any purpose other than temporary construction dewatering, investigation, monitoring or remediation. Drilling of a well for any water supply purpose is strictly prohibited. Groundwater extracted from the Property for any purpose shall be considered potentially contaminated and any discharge of this water shall be done in accordance with state and federal law.

f. **Monitoring.**

Several groundwater monitoring wells are located on the Property to monitor the performance of the remedial action. The Grantor shall maintain clear access to these devices and protect them from damage. The Grantor shall report to Ecology within forty-eight (48) hours of the discovery of any damage to any monitoring device. Unless Ecology approves of an alternative plan in writing, the Grantor shall promptly repair the damage and submit a report documenting this work to Ecology within thirty (30) days of completing the repairs.

Section 3. Access.

a. The Grantor shall maintain clear access to all remedial action components necessary to construct, operate, inspect, monitor and maintain the remedial action.

b. The Grantor freely and voluntarily grants Ecology and its authorized representatives, upon reasonable notice, the right to enter the Property at reasonable times to evaluate the effectiveness of this Covenant and associated remedial actions, and enforce compliance with this Covenant and those actions, including the right to take samples, inspect any remedial actions conducted on the Property, and to inspect related records.

c. No right of access or use by a third party to any portion of the Property is conveyed by this instrument.

Section 4. Notice Requirements.

a. Conveyance of Any Interest. The Grantor, when conveying any interest IN ANY PART OF THE PROPERTY, including but not limited to title, easement, leases, and security or other interests, must:

i. Provide written notice to Ecology of the intended conveyance at least thirty (30) days in advance of the conveyance.

ii. Include in the conveying document a notice in substantially the following form, as well as a complete copy of this Covenant:

NOTICE: THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL COVENANT GRANTED TO THE WASHINGTON STATE DEPARTMENT OF ECOLOGY ON [_____] AND RECORDED WITH THE CLARK COUNTY AUDITOR UNDER RECORDING NUMBER [_____]. USES AND ACTIVITIES ON THIS PROPERTY MUST COMPLY WITH THAT COVENANT, A COMPLETE COPY OF WHICH IS ATTACHED TO THIS DOCUMENT.

iii. Unless otherwise agreed to in writing by Ecology, provide Ecology with a complete copy of the executed document within thirty (30) days of the date of execution of such document.

For purposes of this covenant, "Property" means the real property listed by tax parcel number and which is owned in fee simple title by the Port of Ridgefield.

b. Reporting Violations. Should the Grantor become aware of any violation of this Covenant, Grantor shall promptly report such violation in writing to Ecology.

c. Emergencies. For any emergency or significant change in site conditions due to Acts of Nature (for example, flood or fire) resulting in a violation of this Covenant, the Grantor is authorized to respond to such an event in accordance with state and federal law. The Grantor must notify Ecology in writing of the event and response actions planned or taken as soon as practical but no later than within 24 hours of the discovery of the event.

d. Notification procedure. Any required written notice, approval, reporting or other communication shall be personally delivered or sent by first class mail to the following persons Any change in this contact information shall be submitted in writing to all parties to this Covenant. Upon mutual agreement of the parties to this Covenant, an alternative to personal delivery or first class mail, such as e-mail or other electronic means, may be used for these communications.

Randy Mueller Chief Executive Officer Port of Ridgefield 111 West Division Street Ridgefield, WA 98642 360.887.3873	Environmental Covenants Coordinator Washington State Department of Ecology Toxics Cleanup Program P.O. Box 47600 Olympia, WA 98504 – 7600 (360) 407-6000 ToxicsCleanupProgramHQ@ecy.wa.gov

The Department of Ecology, hereby accepts the status as GRANTEE and HOLDER of the above Environmental Covenant.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Rebecca Lawson

by: Rebecca Lawson

Title: Southwest Regional Section Manager, Toxics Cleanup Program

Dated: 11/27/2023

STATE ACKNOWLEDGMENT

STATE OF WA

COUNTY OF Thurston

On this 27th day of November, 2023 I certify that Rebecca Lawson personally appeared before me, acknowledged that **he/she** is the SWRO Section Mgr, TCP of the state agency that executed the within and foregoing instrument, and signed said instrument by free and voluntary act and deed, for the uses and purposes therein mentioned, and on oath stated that **he/she** was authorized to execute said instrument for said state agency.

KIM WHITENER NOTARY PUBLIC STATE OF WASHINGTON COMM # 15339 APPOINTMENT EXPIRES May 25, 2024

Kim Whitener

Notary Public in and for the State of Washington

Residing at Thurston County

My appointment expires 5-25-2024

Exhibit A

LEGAL DESCRIPTION

Fidelity National Title
COMPANY OF WASHINGTON, INC.

EXHIBIT "A"

Order No.: 612887912

For APN/Parcel ID(s): 067897000, 067998000, 067883000, 068314000, 068345000, 068362000, 068360000, 219386000, 067997000, 067991003, 067898000 and 068331000

EXHIBIT "A"
(continued)

PARCEL I

A parcel of land in the Arthur Quigley Donation Land Claim No. 50 in the Southwest quarter of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington bounded on the South by the North line of Mill Street, on the West by Lake River, on the North by the South line of Division Street and on the East by the Westerly line of the Union Pacific (UP) Railroad more particularly described as follows:

Beginning at the intersection of the Westerly line of the UP Railroad and the Northerly right of way line of Mill Street; thence South 77°57'15" West 221.65 feet to the line of ordinary high water on the right bank of Lake River; thence Northwesterly along the line of ordinary high water on the right bank of Lake River to a point on the South right of way line of Division Street that bears North 89°02'23" West 532.97 feet from the intersection of the South right of way line of Division Street and the Westerly line of the UP Railroad; thence South 89°02'23" East 532.97 feet to the intersection of the South right of way line of Division Street with the Westerly line of the UP Railroad; thence South 00°32'12" East along the Westerly line of said UP Railroad a distance of 701.95 feet to the Northerly right of way line of said Mill Street and the point of beginning.

PARCEL II

A parcel of land in the James Carty Donation Land Claim No. 48 in the Southwest quarter of the Northeast quarter and the Northwest quarter of the Northeast quarter of Section 24 and the Southwest quarter of the Southeast quarter of Section 13 all in Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington bounded on the South by the North line of Division Street, on the West by Lake River and the Ridgefield Wildlife Refuge, on the North by the Ridgefield Wildlife Refuge and on the East by the Burlington Northern Santa Fe (BNSF) Railroad and the City of Ridgefield Sewage Treatment Plant, being more particularly described as follows:

Beginning at the intersection of the North line of Division Street and the West line of the BNSF Railroad; thence North 89°02'23" West along the North line of Division Street 43.44 feet to the true point of beginning; thence continuing along the North line of Division Street North 89°02'23" West 663.30 feet to the line of ordinary high water on the right bank of Lake River; thence Northwesterly along the line of ordinary high water on the right bank of Lake River to the South line of the North half of the James Carty Donation Land Claim; thence South 88°27'27" East 854.46 feet; thence North 00°27'23" West 462.67 feet; thence South 88°21'12" East 75.46 feet; thence North 00°32'12" West 1239.36 feet to the North line of the James Carty Donation Land Claim; thence South 88°37'47" East along said North line 250.05 feet to the West line of the BNSF Railroad; thence South 00°32'12" East 1290.92 feet to the Northeast corner of the City of Ridgefield Sewage Treatment Plant; thence South 89°36'55" West 198.18 feet; thence along the arc of a 324.00 foot radius, non-tangent curve concave to the West, the chord of which bears South 27°35'03" West 31.46 feet, through a central angle of 05°33'55" an arc distance of 31.47 feet; thence along the arc of a 270.00 foot curve concave to the East through a central angle of 28°03'33" an arc distance of 132.25 feet; thence South 02°18'27" West 95.00 feet; thence along the arc of a 270.00 foot radius curve concave to the East through a central angle of 26°08'48" an arc distance of 123.21 feet; thence along the arc of a 324.00 foot radius curve concave to the West through a central angle of 23°18'09" an arc distance of 131.77 feet; thence South 00°32'12" East 70.46 feet; thence South 88°27'27" East 114.74 feet; thence North 00°32'12" West 23.83 feet; thence South 87°25'49" East 93.08 feet to the Southeast corner of said sewage treatment plant and the West line of the BNSF Railroad; thence South 00°32'12" East along the West line of said BNSF Railroad 729.36 feet; thence along the arc of a 902.73 foot radius non-tangent curve concave to the West, the chord of which bears South 15°46'43" West 122.83 feet through a central angle of

EXHIBIT "A"
(continued)

07°48'07" an arc distance of 122.92 feet; thence South 19°40'47" West 25.80 feet to the North line of Division Street and the true point of beginning.

PARCEL III

A parcel of land in the Arthur Quigley Donation Land Claim No. 50 in the Southwest quarter of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington Bounded on the South by the North line of Mill Street, on the West by the East line of the Burlington Northern Santa Fe (BNSF) Railroad, on the North by the South line of Division Street and on the East by the Westerly line of Railroad Avenue, more particularly described as follows:

Beginning at the intersection of the South line of Division Street and the Easterly line of the BNSF Railroad; thence South 00°32'12" East along said Easterly line 134.98 feet; thence continuing along said Easterly right of way line of the BNSF Railroad along a spiral curve, defined by three (3) 33.00 foot chords (at centerline) the long chord at the Easterly right of way bears South 00°55'32" East 98.39 feet; thence continuing along the Easterly right of way line and the arc of a 2,814.93 foot radius curve concave to the East, the chord of which bears South 05°45'49" East 414.44 feet through a central angle of 08°26'36" an arc distance of 414.81 feet to the North right of way line of Mill Street; thence North 72°57'37" East along the North right of way line of Mill Street 30.20 feet to the West right of way line of Railroad Avenue; thence North 06°16'11" East along said West line 241.10 feet; thence continuing along said West line North 00°59'49" East 396.34 feet to the South right of way line of Division Street; thence North 89°02'23" West along said South line 53.93 feet to the Easterly line of the BNSF Railroad and the point of beginning.

PARCEL IV

A parcel of land in the Arthur Quigley Donation Land Claim No. 38 in the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington, described as follows:

Beginning at the intersection of the West line of the Burlington Northern Sante Fe Railroad (BNSF), formerly the Northern pacific Railroad and the centerline of Division Street as established April 5, 1906 in Book 5 of Roads at Page 341:

thence South 00°32'12" East along the West line of said BNSF Railroad 30.01 feet to the South line of Division Street and the True Point of Beginning;

thence North 89°02'23" West along the South line of said Division Street 150.05 feet to the West line of the Union Pacific Railroad (UPRR) formerly the Oregon and Washington Railroad (O&WRR) as described by deed recorded in Book 82 of Deeds at Page 498, records of said Clark County;

thence South 00°32'12" East along the West line of said UPRR 701.95 feet tot he North line of Mill Street (formerly Depot Street) as established as Frank Smith Road February 3, 1908;

thence North 77°57'15" East along the North line of said Mill Street 192.74 feet to the West line of said BNSF Railroad;

thence along the West line of said BNSF Railroad and the arc of a 2914.93 foot radius, non-tangent curve concave to the East (the chord of which bears North 05°42'11" West 424.11 feet) thru a central angle of 08°20'37" an arc distance of 424.48 feet to the Westerly extension of original PCC 742+79.3;

EXHIBIT "A"
(continued)

thence continuing along the West line of said BNSF Railroad defined by three 33 foot chords (at centerline), the offset long chord of which bears North 00°55'32" West 99.60 feet to Westerly extension of original PT 743+78.3;

thence continuing along the West line of said BNSF Railroad North 00°32'12" West 137.59 feet tot he South line of Division Street and the True Point of Beginning.

EXCEPT any portion, described as follows:

A parcel of land in the Arthur Quigley Donation Land Claim No. 50 in the Southwest quarter of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington bounded on the South by the North line of Mill Street, on the West by Lake River, on the North by the South line of Division Street and on the East by the Westerly line of the Union Pacific (UP) Railroad more particularly described as follows:

Beginning at the intersection of the Westerly line of the UP Railroad and the Northerly right of way line of Mill Street; thence South 77°57'15" West 221.65 feet to the line of ordinary high water on the right bank of Lake River; thence Northwesterly along the line of ordinary high water on the right bank of Lake River to a point on the South right of way line of Division Street that bears North 89°02'23" West 532.97 feet from the intersection of the South right of way line of Division Street and the Westerly line of the UP Railroad; thence South 89°02'23" East 532.97 feet to the intersection of the South right of way line of Division Street with the Westerly line of the UP Railroad; thence South 00°32'12" East along the Westerly line of said UP Railroad a distance of 701.95 feet to the Northerly right of way line of said Mill Street and the point of beginning.

PARCEL V

A parcel of land in the South half of the James Carty Donation Land Claim No. 48 in the Northwest quarter of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian in Clark County Washington, described as follows:

Beginning at the intersection of the West line of the 100 foot wide right of way of the Burlington Northern Santa Fe Railroad (formerly the Northern Pacific Railway Company) and the centerline of Division Street; thence North 02°19'07" West along said West line 30.01 feet to the True Point of Beginning; thence continuing North 02°19'07" West along the West line of the said Burlington Northern Sante Fe Railroad 143.23 feet to the arc of a 902.73 foot radius non-tangent curve concave to the West; thence along the arc of said 902.73 foot radius non-tangent curve the chord of which bears South 13°59'48" West, through a central angle of 07°48'07" an arc distance of 122.92 feet; thence South 17°53'52" West 25.80 feet to a point on a line 30.00 feet North of and parallel with the centerline of Division Street; thence North 89°10'42" East along said parallel line 43.44 feet to the True point of Beginning.

EXCEPT any portion, described as follows:

EXHIBIT "A"
(continued)

A parcel of land in the James Carty Donation Land Claim No. 48 in the Southwest quarter of the Northeast quarter and the Northwest quarter of the Northeast quarter of Section 24 and the Southwest quarter of the Southeast quarter of Section 13 all in Township 4 North, Range 1 West of the Willamette Meridian in Clark County, Washington bounded on the South by the North line of Division Street, on the West by Lake River and the Ridgefield Wildlife Refuge, on the North by the Ridgefield Wildlife Refuge and on the East by the Burlington Northern Santa Fe (BNSF) Railroad and the City of Ridgefield Sewage Treatment Plant, being more particularly described as follows:

Beginning at the intersection of the North line of Division Street and the West line of the BNSF Railroad; thence North 89°02'23" West along the North line of Division Street 43.44 feet to the true point of beginning; thence continuing along the North line of Division Street North 89°02'23" West 663.30 feet to the line of ordinary high water on the right bank of Lake River; thence Northwesterly along the line of ordinary high water on the right bank of Lake River to the South line of the North half of the James Carty Donation Land Claim; thence South 88°27'27" East 854.46 feet; thence North 00°27'23" West 462.67 feet; thence South 88°21'12" East 75.46 feet; thence North 00°32'12" West 1239.36 feet to the North line of the James Carty Donation Land Claim; thence South 88°37'47" East along said North line 250.05 feet to the West line of the BNSF Railroad; thence South 00°32'12" East 1290.92 feet to the Northeast corner of the City of Ridgefield Sewage Treatment Plant; thence South 89°36'55" West 198.18 feet; thence along the arc of a 324.00 foot radius, non-tangent curve concave to the West, the chord of which bears South 27°35'03" West 31.46 feet, through a central angle of 05°33'55" an arc distance of 31.47 feet; thence along the arc of a 270.00 foot curve concave to the East through a central angle of 28°03'33" an arc distance of 132.25 feet; thence South 02°18'27" West 95.00 feet; thence along the arc of a 270.00 foot radius curve concave to the East through a central angle of 26°08'48" an arc distance of 123.21 feet; thence along the arc of a 324.00 foot radius curve concave to the West through a central angle of 23°18'09" an arc distance of 131.77 feet; thence South 00°32'12" East 70.46 feet; thence South 88°27'27" East 114.74 feet; thence North 00°32'12" West 23.83 feet; thence South 87°25'49" East 93.08 feet to the Southeast corner of said sewage treatment plant and the West line of the BNSF Railroad; thence South 00°32'12" East along the West line of said BNSF Railroad 729.36 feet; thence along the arc of a 902.73 foot radius non-tangent curve concave to the West, the chord of which bears South 15°46'43" West 122.83 feet through a central angle of 07°48'07" an arc distance of 122.92 feet; thence South 19°40'47" West 25.80 feet to the North line of Division Street and the true point of beginning.

2

4978569 D 06/04/2013 12:59 PM
Total Pages: 9 Rec Fee: $80.00
CLARK COUNTY TITLE COMPANY
SIMPLIFILE LC E-RECORDING
eRecorded in Clark County, WA

RECORDING REQUESTED BY AND AFTER RECORDING RETURN TO:

PORT OF RIDGEFIELD
P. O. Box 55
Ridgefield, Washington 98642

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affd. # 694118 Date 6/3/13
For Details of tax paid see
Affd. #_____
Doug Lasher
Clark County Treasurer
By KRH Deputy

Space Above Line for Recorder's Use Only

2121-53

068331-000
067898-000

QUITCLAIM DEED

143564

UNION PACIFIC RAILROAD COMPANY, a Delaware corporation (formerly known as Southern Pacific Transportation Company, a Delaware corporation, successor in interest through merger with Union Pacific Railroad Company, a Utah corporation, successor in interest through merger with Oregon Short Line Railroad Company, successor in interest through merger with Oregon-Washington Railroad & Navigation Company), Grantor, in consideration of the sum of Ten Dollars ($10.00), and other valuable consideration to it duly paid, the receipt whereof is hereby acknowledged, hereby quitclaims unto **PORT OF RIDGEFIELD,** a municipal special purpose district duly organized under the laws of the State of Washington, Grantee, whose address is P. O. Box 55, 111 West Division Street, Ridgefield, Washington 98642, and unto its successors and assigns forever, all of Grantor's right, title, interest, estate, claim and demand, both at law and in equity, of, in, and to the real estate (hereinafter, the "Property") situated in Ridgefield, Clark County, State of Washington, as more particularly described in **Exhibit A,** hereto attached and hereby made a part hereof, together with all after-acquired title of the Grantor therein. quarter Sec 24 township 4 N R1W

Legal: S hlf of James Carty Donation land. #48 NW qtr NE

EXCEPTING from this quitclaim and RESERVING unto Grantor, its successors and assigns, forever, all minerals and all mineral rights of every kind and character now known to exist or hereafter discovered underlying the Property, including without limiting the generality of the foregoing, oil and gas and rights thereto, together with the sole, exclusive and perpetual rights to explore for, remove and dispose of said minerals by any means or methods suitable to the Grantor, its successors and assigns, but without entering upon or using the surface of the Property, and in such manner as not to damage the surface of the Property, or to interfere with the use thereof by the Grantee, its successors and assigns; PROVIDED, HOWEVER, that Grantor, its successors or assigns, without the prior written permission of Grantee, its successors or assigns, shall not conduct any mining activities of whatsoever nature above a plane five hundred feet (500') below the surface of the Property.

The Property is transferred by Grantor subject to the following covenant, condition and restriction which Grantee by the acceptance of this Quitclaim Deed covenants for itself, its successors and assigns, faithfully to keep, observe and perform:

> Restriction on Use. Grantee, its successors and assigns, may use the Property for industrial, office, retail-oriented commercial business (for example, shopping center, restaurant), transportation, parking and open space purposes, only, and for no other purposes whatsoever. Without limitation of the foregoing, the Property must not be used for any of the following purposes: (i) residential, (ii) lodgings or accommodations (including, without limitation, hotels, motels, boarding houses, dormitories, hospitals, nursing homes, or retirement centers), or (iii) child-care facilities, including, without limitation, schools, kindergartens, day-care centers, gymnasiums, athletic fields, picnic grounds or parks.

The foregoing covenant, condition and restriction shall run with the Property, the burden of which will be binding on the successors and assigns of Grantee, and the benefit of which will inure to the successors and assigns of Grantor. A breach of the foregoing covenant, condition and restriction, or the continuance thereof, may, at the option of Grantor, its successors or assigns, be enjoined, abated or remedied by appropriate proceedings.

General Allocation of Environmental Responsibility. With respect to any existing or future environmental contamination of the Property, from and after the date of delivery of this Deed, Grantee, at no cost to Grantor, agrees to be solely responsible for conducting any investigation, monitoring, remediation, removal, response or other action required by any governmental agency, court order, law or regulation or otherwise necessary to make the Property suitable for Grantee's use of the Property. Grantee, for itself, its successors and assigns, further covenants and agrees that Grantee will not bring any claim, suit, action, cause of action, or demand, whether in law or in equity, against Grantor, its affiliates, subsidiaries, agents, attorneys, employees, directors, officers, shareholders, successors and assigns, for any matter, cost or expense, incurred by Grantee after the time of delivery of this Deed to investigate or remediate the environmental condition of the Property existing at the time of delivery of this Deed; provided that such covenant does not apply to, and will not bar or limit Grantee's rights or remedies with respect to, any contamination or condition arising out of or relating to any migration, transfer or movement of any substance(s) off of or from the Property to any other property whether prior to, on or (with respect to any currently existing contamination or condition of the Property) after the date of delivery of this Deed. For the avoidance of doubt, the foregoing covenant does not apply to any condition of any property other than the Property (including, but not limited to any condition of any other property (including any surface or groundwater or sediments or other area or portion of such other property) related to or arising out of any migration or transfer of any substance(s) from the Property).

IN WITNESS WHEREOF, the Grantor has caused this deed to be duly executed as of the 31st day of May, 2013.

Attest:

UNION PACIFIC RAILROAD COMPANY, a Delaware corporation

_____
Assistant Secretary

By: _____
Name: _____
Title: _____

(Seal)

Grantee hereby accepts this Deed and agrees for itself, its successors and assigns, to be bound by the covenants set forth herein.

Dated this 31st day of May, 2013.

PORT OF RIDGEFIELD, a municipal special purpose district duly organized under the laws of the State of Washington

By: [signature]
Name: BRENT A. GRENING
Title: CEO

IN WITNESS WHEREOF, the Grantor has caused this deed to be duly executed as of the 29th day of May, 2013.

Attest:

UNION PACIFIC RAILROAD COMPANY, a Delaware corporation

Barbara Hedin
Assistant Secretary

By: Tony K Love
Name: TONY K. LOVE
Title: Assistant Vice President – Real Estate

(Seal)

Grantee hereby accepts this Deed and agrees for itself, its successors and assigns, to be bound by the covenants set forth herein.

Dated this _____ day of May, 2013.

PORT OF RIDGEFIELD, a municipal special purpose district duly organized under the laws of the State of Washington

By: _____
Name: _____
Title: _____

STATE OF NEBRASKA)
) ss.
COUNTY OF DOUGLAS)

On this 29th day of May, 2013, before me, Notary Public in and for said County and State, personally appeared Tony K. Love and Barbara Holder who are the Assistant Vice President-Real Estate and the Assistant Secretary, respectively, of Union Pacific Railroad Company, a Delaware corporation, and who are personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to in the within instrument, and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Susan Hronek
Notary Public

(Seal)

GENERAL NOTARY - State of Nebraska
SUSAN HRONEK
My Comm. Exp. July 28, 2015

STATE OF WASHINGTON)
) ss.
COUNTY OF CLARK)

I, the undersigned, a Notary Public in and for the State of Washington, hereby certify that on this 31st day of May, 2013, personally appeared before me Brent A. Grening, CEO of the Port of Ridgefield, a municipal special purpose district duly organized under the laws of the State of Washington, to me known to be the person who executed the foregoing instrument, and acknowledged to me that he/she executed the within instrument pursuant as his/her free and voluntary act and deed, and the free and voluntary act and deed of said entity, for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this day and year last above written.

My commission expires: 7-7-2013.

JEANETTE LUDKA
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES JULY 7, 2013

JEANETTE LUDKA

Jeanette Ludka
Notary Public in and for the
State of Washington

Residing at Clark County

[SEAL]

Union Pacific Railroad Company

Clark County, Washington

Exhibit "A"

A PARCEL OF LAND IN THE ARTHUR QUIGLEY DONATION LAND CLAIM #38 IN THE NORTHEAST QUARTER OF SECTION 24, TOWNSHIP 4 NORTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN IN CLARK COUNTY, WASHINGTON DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE BURLINGTON NORTHERN SANTE FE RAILROAD (BNSF), FORMERLY THE NORTHERN PACIFIC RAILROAD AND THE CENTERLINE OF DIVISION STREET AS ESTABLISHED APRIL 5, 1906 IN BOOK 5 OF ROADS AT PAGE 341;

THENCE SOUTH 00°32'12" EAST ALONG THE WEST LINE OF SAID BNSF RAILROAD 30.01 FEET TO THE SOUTH LINE OF DIVISION STREET AND THE TRUE POINT OF BEGINNING;

THENCE NORTH 89°02'23" WEST ALONG THE SOUTH LINE OF SAID DIVISION STREET 150.05 FEET TO THE WEST LINE OF THE UNION PACIFIC RAILROAD (UPRR) FORMERLY THE OREGON AND WASHINGTON RAILROAD (O&WRR) AS DESCRIBED BY DEED RECCORDED IN BOOK 82 OF DEEEDS AT PAGE 498, RECORDS OF SAID CLARK COUNTY;

THENCE SOUTH 00°32'12" EAST ALONG THE WEST LINE OF SAID UPRR 701.95 FEET TO THE NORTH LINE OF MILL STREET (FORMERLY DEPOT STREET) AS ESTABLISHED AS FRANK SMITH ROAD FEBRUARY 3, 1908;

THENCE NORTH 77°57'15" EAST ALONG THE NORTH LINE OF SAID MILL STREET 192.74 FEET TO THE WEST LINE OF SAID BNSF RAILROAD;

THENCE ALONG THE WEST LINE OF SAID BNSF RAILROAD AND THE ARC OF A 2914.93 FOOT RADIUS, NON-TANGENT CURVE CONCAVE TO THE EAST (THE CHORD OF WHICH BEARS NORTH 05°42'11" WEST 424.11 FEET) THRU A CENTRAL ANGLE OF 08°20'37" AN ARC DISTANCE OF 424.48 FEET TO WESTERLY EXTENSION OF ORIGINAL PCC 742+79.3;

THENCE CONTINUING ALONG THE WEST LINE OF SAID BNSF RAILROAD AND A 50 FOOT OFFSET FROM THE ORIGINAL CENTERLINE OF THE BNSF RAILROAD DEFINED BY THREE 33 FOOT CHORDS (AT CENTERLINE), THE OFFSET LONG CHORD OF WHICH BEARS NORTH 00°55'32" WEST 99.60 FEET TO WESTERLY EXTENSION OF ORIGINAL PT 743+78.3;

THENCE CONTINUING ALONG THE WEST LINE OF SAID BNSF RAILROAD NORTH 00°32'12" WEST 137.59 FEET TO THE SOUTH LINE OF DIVISION STREET AND THE TRUE POINT OF BEGINNING.

CONTAINING 2.50 ACRES, MORE OR LESS.

Union Pacific Railroad Co.
Real Estate Department
Omaha, NE.

LD 0212153
May 30, 2013

BARBIERI & ASSOCIATES, INC.

PROFESSIONAL ENGINEERING & SURVEYING

7017 NE Highway 99, Suite 204
Vancouver, Washington 98665
(360) 695-1001

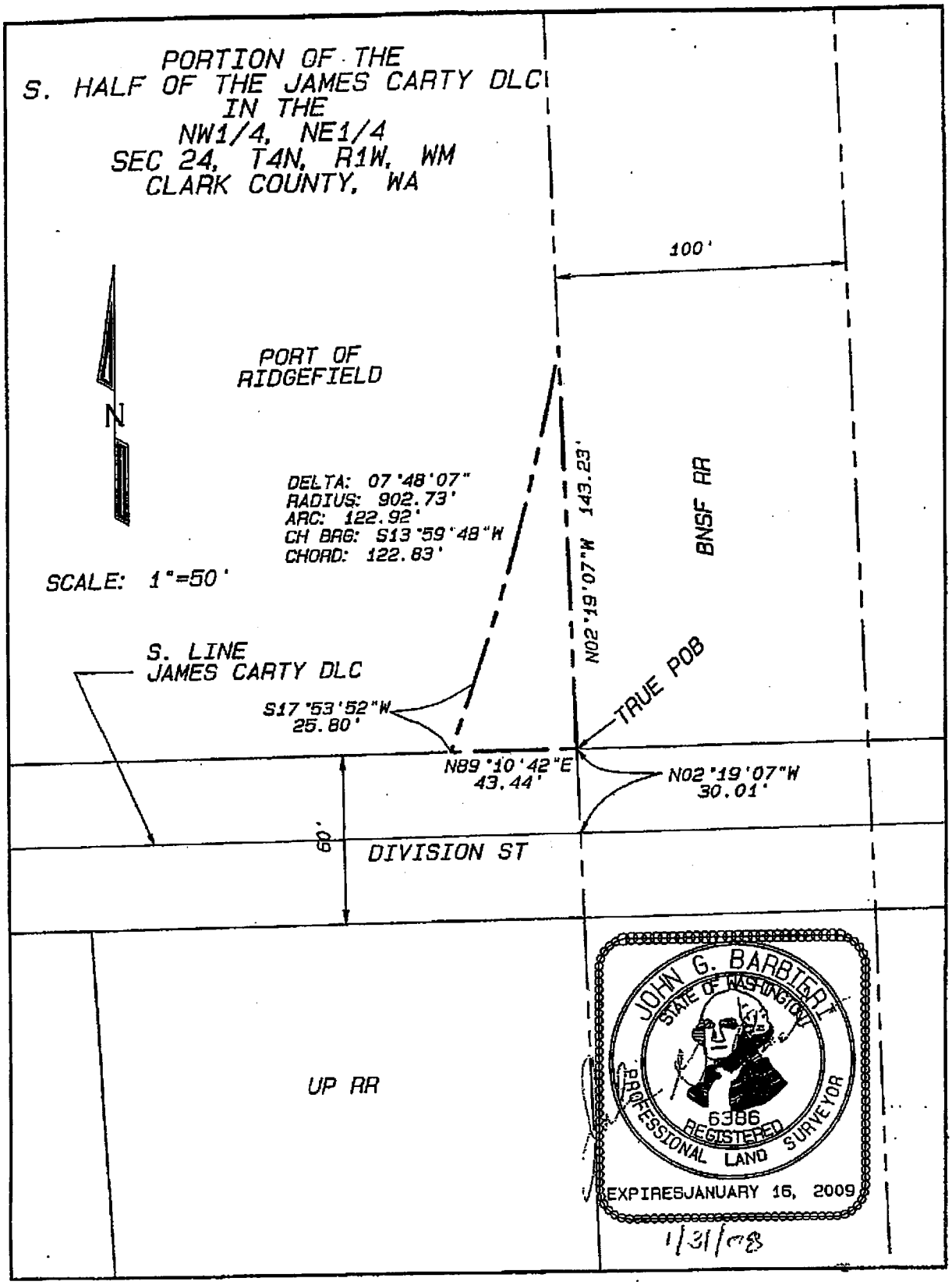
TAX LOT 59
LEGAL DESCRIPTION

A PARCEL OF LAND IN THE SOUTH HALF OF THE JAMES CARTY DONATION LAND CLAIM # 48 IN THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 24, TOWNSHIP 4 NORTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN IN CLARK COUNTY WASHINGTON DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE 100 FOOT WIDE RIGHT OF WAY OF THE BURLINGTON NORTHERN SANTA FE RAILROAD (FORMERLY THE NORTHERN PACIFIC RAILWAY COMPANY) AND THE CENTERLINE OF DIVISION STREET;
THENCE NORTH 02°19'07" WEST ALONG SAID WEST LINE 30.01 FEET TO THE **TRUE POINT OF BEGINNING;**

THENCE CONTINUING NORTH 02°19'07" WEST ALONG THE WEST LINE OF THE SAID BURLINGTON NORTHERN SANTE FE RAILROAD 143.23 FEET TO THE ARC OF A 902.73 FOOT RADIUS NON-TANGENT CURVE CONCAVE TO THE WEST;
THENCE ALONG THE ARC OF SAID 902.73 FOOT RADIUS NON-TANGENT CURVE, THE CHORD OF WHICH BEARS SOUTH 13°59'48" WEST, THROUGH A CENTRAL ANGLE OF 07°48'07" AN ARC DISTANCE OF 122.92 FEET;
THENCE SOUTH 17°53'52" WEST 25.80 FEET TO A POINT ON A LINE 30.00 FEET NORTH OF AND PARALLEL WITH THE CENTERLINE OF DIVISION STREET;
THENCE NORTH 89°10'42" EAST ALONG SAID PARALLEL LINE 43.44 FEET TO THE **TRUE POINT OF BEGINNING**, CONTAINING 2830 SQUARE FEET (0.065 ACRES) MORE OR LESS).

PTR_TL#59_LEGAL


PORTION OF THE
S. HALF OF THE JAMES CARTY DLC
IN THE
NW1/4, NE1/4
SEC 24, T4N, R1W, WM
CLARK COUNTY, WA
100'
PORT OF
RIDGEFIELD
N
DELTA: 07°48'07"
RADIUS: 902.73'
ARC: 122.92'
CH BRG: S13°59'48"W
CHORD: 122.83'
SCALE: 1"=50'
N02°19'07"W 143.23'
BNSF RR
S. LINE
JAMES CARTY DLC
S17°53'52"W
25.80'
TRUE POB
N89°10'42"E
43.44'
N02°19'07"W
30.01'
60'
DIVISION ST
UP RR
JOHN G. BARBIERI
STATE OF WASHINGTON
6386
REGISTERED
PROFESSIONAL LAND SURVEYOR
EXPIRESJANUARY 16, 2009
1/31/08

4658259 D
RecFee - $83.00 Pages: 2 - FIDELITY NATIONAL TITLE
Clark County, WA 04/19/2010 04:08

AFTER RECORDING MAIL TO:
Brent Grening, Executive Director
Port of Ridgefield
P. O. Box 55
Ridgefield, WA 98642

650590
Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affd # _____ Date 04/19/10
For details of tax paid see
Affd. # _____
Doug Lasher
Clark County Treasurer
By _____ Deputy

Filed for Record at Request of:
Lawyers Title Insurance Corp.
File No. 32g0001171

STATUTORY WARRANTY DEED

U 8111

THE GRANTOR(S) City of Ridgefield, a Municipal Corporation

for and in consideration of $1.00

in hand paid, conveys, and warrants to Port of Ridgefield, a Municipal Corporation

the following described real estate, situated in the County of Clark, state of Washington:

see Attached Exhibit A

Abbreviated Legal: Tax Lot #85 of the James Carty DLC (ptn) Section 24 Township 4 North Range 1 West

Tax Parcel No.: 068354-000

SUBJECT TO Easement recorded May 1, 1959 Auditor's No. G261365 Book D-54, Page 537-A and any and all items affecting the property by reason of Grantee's possession or actions under that certain lease recorded January 7, 1964 Auditor's File No. G-374500 which shall be extinguished by this deed by merger of title.

Dated: April 13, 2010

City of Ridgefield, a Municipal Corporation

By _____
Justin Clary, City Manager

STATE OF WASHINGTON, County of Clark) – ss.

I certify that I know or have satisfactory evidence that Justin Clary (is/are) the person(s) who appeared before me, and said person(s) acknowledged that (he/she/they) signed this instrument, on oath stated that (he/she/they) (is/are) authorized to execute the instrument and acknowledged it as the City Manager of City of Ridgefield, to be the free and voluntary act of such party(ies) for the uses and purposes mentioned in this instrument.

Dated: April 13, 2010

Kay Kammerer
Notary Public in and for the state of Washington
My appointment expires: February 5, 2014

KAY L. KAMMERER NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES FEB. 5, 2014

LPB-10(c) 7/97

EXHIBIT 'A'

DESCRIPTION:

The South 100 feet of thatc ertain tract of land as recorded in Volume D-55, Page 450-B of Clark County deed records, which records described the total piece of real estate as being all of thatp arty and parcel of the South half of the Carty Donation Land Claim, Section 24, Township 4 North, Range 1 West of the Willamette Meridian, Clark County, Washington, more particularly described as follows:

The Point of Beginning is the point on the North line of the South half of the Carty Donation Land Claim 60 feetW esterly from the West right-of-way line of the Northern Pacific Railway; thence Southerly and parallel to said Railway right-of-way a distance of 300 feet; thence Westerly and parallel to the North line of the South half of the Carty Donation Land Claim a distance of 200 feet; thence Northerly and parallel to said Railway right-of-way a distance of 300 feet to a point on the North line of the South half of the Carty Donation Land Claim; thence Easterly, along said North line, a distance of 200 feet to the Point of Beginning.

Fidelity National Title Insurance Company
Order No.: V81111

3

2

4500599 D
RecFee - $43.00 Pages: 2 - FIDELITY NATIONAL TITLE
Clark County, WA 10/10/2008 03:18

AFTER RECORDING MAIL TO:

Port of Ridgefield
111 West Division
Ridgefield, WA 98642
Filed for Record at Request of:

LandAmerica Commercial Services

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affd. 630711 Date 10.10.08
For details of tax paid see
Affd. #_____
Doug Lasher
Clark County Treasurer
By_____ Deputy

V73806

STATUTORY WARRANTY DEED

Assessor's Property Tax Parcel/Account Number: **067991-003**
Legal Description (Abbreviated) : Ptn Sec 24 T4N R1E

THE GRANTOR Violet Simpson, who acquired title as V.P. Simpson, surviving spouse of Cleo A. Simpson, deceased for and in consideration of **Ten Dollars and Other Good and Valuable Consideration** in hand paid, conveys, and warrants to **Port of Ridgefield, a municipal corporation** the following described real estate, situated in the County of Clark, state of Washington:

SEE ATTACHED EXHIBIT "A"

Subject to : No exceptions.

This deed is delivered in lieu of eminent domain proceedings being initiated.

Dated: **October 8, 2008**

Violet Simpson
Violet Simpson

STATE OF Washington }
} *SS.*
COUNTY OF Clark }

I certify that I know or have satisfactory evidence that **Violet Simpson** is/are the person(s) who appeared before me, and said person(s) acknowledged that he/she/they signed this instrument and acknowledged it to be his/her/their free and voluntary act for the uses and purposes mentioned in this instrument.

Dated this 9 day of October, 2008

MARGARET M. NEIKIRK
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES
JULY 19, 2011

Name (typed or printed: Margaret M. Neikirk
NOTARY PUBLIC in and for the State of Washington

LPB-10(i) 7/97

EXHIBIT 'A'

DESCRIPTION:

That portion of the Northeast quarter of Section 24, Township 4 North, Range 1 East of the Willamette Meridian, Clark County, Washington, lying within the Aruther Quigley Donation Land Claim and within the corporate limits of the Town of Ridgefield, described as follows:

BEGINNING at a point 60 feet West of the Northwest corner of Lot 17, Block 3, Abrams Addition to the Town of Ridgefield, according to the plat thereof recorded in Volume C of Plats, page 47, records of said County, on the West line of A Street in said Addition; thence South along the West line of A Street to the North line of Depot Street in said Addition; thence Westerly along the North line of said Depot Street projected Westerly to the East line of the Northern Pacific Railway right-of-way; thence Northerly along the East line of said right-of-way to a point West of the point of beginning; thence East to the Point of Beginning.

EXCEPT that portion lying within A Street, S Railroad Avenue and Depot Street.

Fidelity National Title Insurance Company
Order No.: V73808

7

2

4500598 D
RecFee - $43.00 Pages: 2 - FIDELITY NATIONAL TITLE
Clark County, WA 10/10/2008 03:18

AFTER RECORDING MAIL TO:

Port of Ridgefield, Laurie Olin
P. O.Box 55
111 West Division
Ridgefield, WA 98642

Filed for Record at Request of:

LandAmerica Commercial Services

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affd. 630710 Date 10-10-08
For details of tax paid see
Affd. #
Doug Lasher
Clark County Treasurer
By
Deputy

V73598

STATUTORY WARRANTY DEED

Assessor's Property Tax Parcel/Account Number: 067997-000
Legal Description (Abbreviated) : Ptn Sec 24 T4N R1W

THE GRANTOR Lois Boutwell, as her separate estate for and in consideration of **Ten Dollars and Other Good and Valuable Consideration** in hand paid, conveys, and warrants to **Port of Ridgefield, a municipal corporation** the following described real estate, situated in the County of Clark, state of Washington:

SEE ATTACHED EXHIBIT "A"

Subject to NONE

This deed is delivered in lieu of eminent domain proceedings being initiated.

Dated: **October 8, 2008**

Lois E. Boutwell
Lois Boutwell

STATE OF Washington }
} *SS.*
COUNTY OF Clark }

I certify that I know or have satisfactory evidence that **Lois Boutwell** is/are the person(s) who appeared before me, and said person(s) acknowledged that he/she/they signed this instrument and acknowledged it to be his/her/their free and voluntary act for the uses and purposes mentioned in this instrument.

Dated this 9 day of October 2008

Name (typed or printed): Margaret M. Neikirk
NOTARY PUBLIC in and for the State of Washington

MARGARET M. NEIKIRK
NOTARY PUBLIC
STATE OF WASHINGTON
COMMISSION EXPIRES
JULY 19, 2011

LPB-10(i) 7/97

EXHIBIT 'A'

DESCRIPTION:

That portion of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, Clark County, Washington, lying within the Aruther Quigley Donation Land Claim and within the corporate limits of the Town of Ridgefield, described as follows:

BEGINNING at a point 60 feet West of the Northwest corner of Lot 17, Block 3, Abrams Addition to the Town of Ridgefield, according to the plat thereof recorded in Volume C of Plats, page 47, records of said County, which Point of Beginning is on the West line of A Street as established in said plat, and running thence North along the West line of said A Street to the South line of Division Street; thence West along the South line of Division Street to the Eastern boundary of the Northern Pacific Railway right-of-way; thence Southerly along said Eastern boundary of the Northern Pacific Railway right-of-way to a point due West of the point of beginning; thence East to the Point of Beginning.

Fidelity National Title Insurance Company
Order No.: V73898

13

3232241
Page: 1 of 2
07/03/2000 03:11P
Clark County, WA
FIDELITY NATIONAL TITLE D 9.00

WHEN RECORDED RETURN TO:
Name: Port of Ridgefield – Attn: Brent Grening
Address: 111 West Division Street
City/State/Zip: Ridgefield, WA 98642

Real Estate Excise Tax
Ch. [illegible] Laws 1951
EXEMPT
No. 46587 7-3-00
For Details of Tax Paid
Auditor
By
Deputy

Fidelity National Title Company of Washington, Inc.

Order No. 01-02737-PN

STATUTORY WARRANTY DEED

The Grantor **CITY OF RIDGEFIELD**, a Washington non-charter code city, who acquired title as TOWN OF RIDGEFIELD

For and in consideration of TEN DOLLARS AND OTHER VALUABLE CONSIDERATION

in hand paid, conveys and warrants to **PORT OF RIDGEFIELD**, a Washington municipal corporation **CITY OF RIDGEFIELD**, a Washington non-charter code city

the following described real estate, situated in the County of CLARK, State of Washington:

SEE ATTACHED EXHIBIT "A" FOR LEGAL DESCRIPTION

SUBJECT TO: Taxes or assessments should this property be reclassified from its current tax exempt status; Easements and conditions as contained in instrument recorded June 11, 1959 in Book D55 page 450B; right title and interest or claims, if any of Pacific Wood Treating Corporation, its successors and/or assigns.

Tax Account Number: 067998-000 AND 067883-000
Abbreviated Legal: Ptn Sec 24, T4N R1WWM

DATED: June 28, 2000

CITY OF RIDGEFIELD

BY: W R Curtis

BY: _____

CLAUDIA SHOBERT NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES JUNE 1, 2002

STATE OF WASHINGTON
COUNTY OF CLARK

On this 28 day of June, 2000, I certify that I know or have satisfactory evidence that W R Curtis the person(s) who appeared before me, acting in their capacity as City Manager and on behalf of CITY OF RIDGFIELD, and said person(s) acknowledged that (he/she/they) signed this instrument and acknowledged it to be the free and voluntary act of the City of Ridgefield for the uses and purposes; mentioned in this instrument.

Claudia Shobert
Notary Public in State of Washington,
Residing in Ridgefield
My Appointment Expires June 1, 2002

BOAT LAUNCH LEGAL

THE NORTHERN 40 FEET AND THE EASTERLY 30 FEET OF THE FOLLOWING DESCRIBED PROPERTY SITUATED IN THE COUNTY OF CLARK, STATE OF WASHINGTON.

BEGINNING 462.0 feet North and 2026.3 feet West of the Quarter Section corner on the East line of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, said point being at the intersection of the extension of the North line of the proposed County Road with deep water line in Lake River; running thence North 76°10' East along the North side of said road 147.6 feet; thence North 13°50' West 147.6 feet; thence South 76°10' West 147.6 feet to deep water line; thence South 13°50' East along deep water line 147.6 feet to the place of beginning, containing one-half ½ acre.

BOAT LAUNCH LEGAL 2

Beginning 462 feet North and 2025.3 feet West of the section corner on East line of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, said point being at intersection of extension of North line of proposed County Road; with deep water line in Lake River; thence N. 76°10' East along North side of said Road 147.6 feet; thence North 13°50' West 147.6 feet; thence South 76°10' West 147.6 feet to deep water line; thence South 13°50' East along deep water line 147.6 feet to beginning, containing ½ acre.
EXCEPT: The North 40 feet when measured at right angles to North line of the following described tract: beginning at a point 462 feet North and 202025.3 feet West of ¼ Section corner on East line of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, said point being at intersection of the extension of North line of proposed County Road, with the deep water in Lake River; thence East 76°10' East along North line of said road 147.6 feet; thence North 13°50' West 147.6 feet; thence South 76°10' West 147.6 feet to deep water line; thence South 13°50' East along deep water line 147.6 feet to beginning, containing 1/8 acre.
ALSO: The East 30 feet of the above described tract for right of way purposes only. Tract conveyed containing 21/100 acre.

EXHIBIT "B"

9403100279

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
$3825.00 has been paid
Receipt #264190 Date 3-10-94
Sec. 61, see Add. No.
Doug Lasher
Clark County Treasurer
By Deputy

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FILED FOR RECORD AT REQUEST OF
AND WHEN RECORDED RETURN TO:
Port of Ridgefield, Washington
c/o E.J. Schmitz
PO Box 55
Ridgefield, WA 98642

BANKRUPTCY TRUSTEE'S QUITCLAIM OF LEASE AND QUITCLAIM OF FIXTURES ON LEASEHOLD

GRANTOR: Robert K. Morrow, Inc., in its capacity as chapter 7 trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for the District of Oregon, Case No. 393-34766-P7

GRANTEE: Port of Ridgefield

TRUE AND ACTUAL CONSIDERATION: $250,000.00 and other valuable consideration

DATE: March 1, 1994

Grantor conveys and quitclaims to Grantee all of the grantor's interest in the property described as follows:

The Lease, including all amendments, modifications, or assignments, entered into between the Port of Ridgefield, Washington and Niedermeyer-Martin Co. on December 5, 1963, recorded January 7, 1964 under Clark County Auditor's File No. G 374500 and the Lease, including all amendments, modifications, or assignments, entered into between the Port of Ridgefield, Washington and Niedermeyer-Martin Co on December 24, 1963, recorded January 7, 1964 under Clark County Auditor's File No. G 374501 (collectively the "Lease").

1. The Lease was assigned by Niedermeyer-Martin Co. to PWT on September 4, 1964.

2. The Lease was modified on the following dates:

   a. September 11, 1964 under Clark County Auditor's File No. G 405344;

   b. January 27, 1965 under Clark County Auditor's File No. G 406343;

   c. July 8, 1966 under Clark County Auditor's File No. G 457459;

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d. February 13, 1967 under Clark County Auditor's File No. G 478014;

e. May 21, 1968 under Clark County Auditor's File No. G 515983;

f. June 9, 1969 under Clark County Auditor's File No. G 537579;

g. October 20, 1976 under Clark County Auditor's File No. G 743318.

The real property affected includes the following:

The South 100 feet of that certain tract of land owned by the Lessor as recorded in D-55 page 450-B of Clark County deed records, which records described the total piece of real estate as being all of that part and parcel of the South half of the Carty Donation Land Claim Section 24, Township 4 North, Range 1 West of the Willamette Meridian more particularly described as follows:

The point of beginning is the point on the North line of the South half of the Carty Donation Land Claim 60 feet Westerly from the West right of way line of the Northern Pacific Railway; thence Southerly and parallel to said Railway right of way a distance of 300 feet; thence Westerly and parallel to the North line of the South half of the Carty Donation Land Claim a distance of 200 feet; thence Northerly and parallel to said railway right of way a distance of 300 feet to a point on the North line of the South half of the Carty Donation Land Claim; thence Easterly along said North line a distance of 200 feet to the point of beginning; being 1.38 acres, more or less.

PARCEL I

That certain portion of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, being more particularly described as follows:

Beginning at a point that is 1728.15 feet West and North 3° 15' West 528.88 feet from the quarter corner on the East boundary line of said Section 24, said point also being on the Northerly right of way line of Mill Street, and running thence North 3° 15' West 734.56 feet to the center of Division Street; thence North 89° 10' 30" East along said center line, 120.01 feet; thence North 10° 07' 45" East 240.48 feet to the Southeast corner of that certain tract conveyed to Washington Refining Company deed recorded in Book 203, page 485, Clark County Deed records; thence South 87° 41' 45" West 200.00 feet; thence North 2° 18' 15" West 200.00 feet; thence North 87° 41' 45" East 200.00 feet to the Northeast corner of said Refining Company tract and Westerly right of way line of the Northern Pacific Railway; thence North 2° 18' 15" West,

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along said railway, 406.27 feet; thence South 89° 45' West 260.00 feet; thence North 2° 18' 15" West 200.00 feet to the North line of the South half of the James Carty Donation Land Claim; thence South 89° 45' West, along the North line, 319.57 feet; thence South 14° 23' 53" East 1078.04 feet to the center line of the aforementioned Division Street; thence South 89° 10' 30" West 66.36 feet; thence South 0° 49' 30" East 90.00 feet; thence South 89° 10' 30" West 225.64 feet; thence South 26° 24' 15" East 407.96 feet; thence North 63° 35' 45" East 25.00 feet; thence South 26° 24' 15" East 205.58 feet to the Northerly line of that certain tract conveyed to Clark County by deed recorded in Book 207, page 357, Clark County deed records; thence along said tract North 76° 10' East 60.33 feet; thence South 13° 50' East 147.60 feet to the Northerly line of Mill Street; thence North 76° 10' East 128.58 feet to the point of beginning;

EXCEPT Division Street right of way and also easements for existing roads, railroad spurs, and electric transmission lines.

PARCEL II

That certain portion of the Northeast quarter of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, being more particularly described as follows:

Beginning at a point which is 1164.60 feet North and 2272.09 feet West from the quarter corner on the East Boundary line of said Section 24; thence South 89° 10' 30" West 252.09 feet to the center of Lake River; thence South 26° 24' 15" East 132.79 feet along the center of Lake River; thence South 87° 24' 15" East 260.00 feet; thence North 26° 24' 15" West 150.00 feet to the point of beginning.

PARCEL III

The following described real estate situated in the County of Clark; State of Washington, to wit:

Beginning at a point in Lake River 16 chains North and 6.27 chains West of the Southwest corner of Carty Sr. Donation Land Claim in Section 24, Township 4 North, Range 1 West of the Willamette Meridian; thence East 669 feet to a point which is 597.5 feet West of the West line of the Northern Pacific Railway Right of Way; thence South 14° East 1081 feet to the center line of Division Street as extended easterly same being the south line of said Donation Land Claim said point of intersection being 360 feet West of the west line of said railway right of way and 417.4 feet west of the center line of the east tract of said railway company; thence west 458.9 feet, more or less, to

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the west corner of said Donation Land Claim now located in Lake River; thence northwesterly following meanders of the Lake River to beginning; together with the exclusive use and occupancy of tidelands and water front abutting said premises, subject only to Lessors' right to reasonably inspect and to maintain the same;

EXCEPT Division Street right of way and also easements for existing public roads and railroad spurs.

KASPER TRACT

That certain portion of Section 24, Township 4 North, Range 1 West of the Willamette Meridian, being more particularly described as follows:

Beginning at a point that is North 462.00 feet and West 2026.30 feet from the quarter corner on the East boundary of said Section 24, said point also being the Southwest corner of that certain tract conveyed to Clark County, Washington, by deed recorded in Book 207, page 357, deed records of said County, and running thence South 76°10' West 138.4 feet to the center of Lake River; thence North 26°24'15" West 684.52 feet; thence South 87°24'15" East 260.00 feet; thence South 26°24'15" East 257.96 feet; thence North 63°35'45" East 25.00 feet; thence South 26°24'15" East 205.58 feet to the Northerly line of the aforementioned Clark County tract; thence South 76°10' West 87.27 feet; thence South 13°50' East 147.60 feet to the point of beginning.

PARCEL V

That portion of the South 1/2 of the James Carty D. L. C., lying within Section 24, Township 4 North, Range 1 West, Willamette Meridian, in Clark County, Washington described as follows:

Beginning at the intersection of the North line of the South 1/2 of said Carty D. L. C., with the West line of the Northern Pacific Railway right of way; thence West along the North line of the South 1/2 of said Carty D. L. C. 60 feet; thence South parallel with the West line of said right of way 200 feet more or less, to the North line of that tract described under that certain lease recorded under Auditor's File No. G 374501; thence East parallel with the North line of the South 1/2 of said Carty D. L. C. 60 feet to the West line of said Northern Pacific Railway right of way; thence North along the West line of said right of way 200 feet more or less to the point of beginning.

SUBJECT TO:

Easements for sewer recorded under Auditor's File No. G 264451 and for railroad spur tracts recorded under Auditor's File No. G 374561.

This quitclaim deed also conveys to Grantee all after-acquired title of Grantor in and to the above-described real property.

The real property, including all improvements thereon and appurtenances as further described on attached Exhibit 1, is conveyed "AS IS" and without representation or warranty, express or implied, and by recording this deed, Grantee accepts the property in that condition.

ROBERT K. MORROW, INC., Trustee

By: _____
Robert K. Morrow, President

STATE OF OREGON)
) ss.
County of Multnomah)

This instrument was acknowledged before me on March 1, 1994 by Robert K. Morrow as president of Robert K. Morrow, Inc., in its capacity as trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for the District of Oregon, Case No. 393-34766-P7.

Janet Z. Duncan
Notary Public for Oregon
My Commission Expires: 12-20-95

OFFICIAL SEAL
JANET Z. DUNCAN
NOTARY PUBLIC-OREGON
COMMISSION NO. 010913
MY COMMISSION EXPIRES DEC. 20, 1995

09-10-44

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EXHIBIT 1
TO
TRUSTEE'S QUITCLAIM OF LEASE
AND QUITCLAIM OF FIXTURES ON LEASEHOLD

BUILDING 1

QUANTITY	DESCRIPTION
	Buss Sje 30 X 5 Type 66 Planer .30" Cap S/N 5420
	Western 5,000 Lb. Cap. Model WP 5060 Platform Scale, 4' X 4' Platform S/N LA6
	Moak 8" Jointer, 8' Pony Bed, 13" Width S/N 8968
	12' X 18" Hot Press Machine, 2 HP Hyd. Pump; Remote Control Panel
	A Frame w/Loadstar 1000 Lb. Cap. Elect. Hoist
	Shepard Niles 2000 Lb. Cap. Elect. Hoist w/Bridge, Pendant Control
	50 Ft. Bridge Crane w/Hoist

BUILDING 1A

Vert. Pump Ass'y 20 HP

BUILDING 2

Chamfer Machine Round Stock Unit #381 48" Cap (not in use)

2' X 50' Gravity Roller Conveyor, 2' on Center, 3½" Roll Diameter.

Mereen Johnson Model 424 DC Rip Saw 9 Blade on Arbor, Infeed & Outfeed Table S/N MJ1913

Yates American C99 4" X 6" 5 Head Moulder 25 HP Top, (2) 5 HP Top & Bottom Heads, (2) 10 HP Side Heads, Vari Drive Feed Motor S/N B2698

14w' X 301' 6 Belt Transfer Moulder to Cut Off Saws w/Wood & Metal Structure, Motor Drive

0725

QUANTITY	DESCRIPTION
	12" X 15' Portable Inclined Belt Conveyor, H & T Drums, Motor Drives
	1 Ton Cap. Bridge Cranes, 8' Span X 80 L/F 1 Ton Loadstar Hoists & Pendant Controls
	BUILDING 3
	Timesaver Model 325-2HDTBA Top & Bottom Belt Sanders, (2) 75 HP Arbor Motors, Belt Feeds, Hyd. Driven, 7½ HP Hyd. Pump S/N 11148
	½ Ton Jib Crane Wall Mounted w/½ Ton Elect. Hoist
	Cut up Line Consisting of (2) Mid-Oregon 2 X 8 Chop Saws, Lumber Gauges & Steps, Motor Drives, 30 Ft. (2 Sections) All Steel 5 Strand Infeed Chain, 78 RT & Link Chain, Motor Drive, 12' X 30' Waste Wood Belt Conveyor & 16" X 20' Belt Conveyor to 20' Dia Rotary Sort Table Motor Drives
	Infra-Pak Model SP2 Plastic Wrap Machine, 4' X 4' Rotary Table S/N 801558T
	Root Model DL100 Horiz. Dowel Boring Machine w/Motor S/N 740
2	Cemco 22 Head Multi Drilling Machine 27 Feet Bed Length, Motor Drives
	Cemco 27 Head Multi Drilling Machine 20 Ft. Total Bed Length 15 HP Motor Drive.
	14" x 8' Belt Conveyor & G.H. Motor
	23" X 14' Belt Conveyor w/G.H. Motor
	Northfield Model X36AF Uni-Point Radial Arm Saw, Motor Feed & Discharge Conveyors
	Mereen Johnson Double End Tenoner, Saw Cape & Tenon Motors, Scissor Lift & Pump, Opening to 10 Ft. Cap S/N 5438
	25 HP 2 Stage Piston Type Air Compressor w/4' X 16' Horiz. Air Receiver Tank, General air Dryer 275 SCFM

726

QUANTITY	DESCRIPTION

BUILDING #5

Irvington Sticker Stacker S/N 7409 Consisting of 20 Ft. 6 Strand Infeed Transfer to Breakdown Hoist 20 Ft. 6 Arm all Steel Breakdown Hoist to Stacker, Motor & Brake, 16 Ft. 6 Strand Transfer to Stacker 12" Outfeed Waste Wood Belt Conveyor 6 Arm Fork Type Lowering Lumber Placement w/Manual Sticker Placement, 25 Ft. 6 Strand Outfeed Transfer 78 Chain, Motor Drives and Controls.

PLANER BUILDING

20 Ft. 4 Arm All Steel Planer Breakdown Hoist w/Motor Brake, 26 Ft. 4 Strand Infeed Transfer to Hoist 78 Chain, Drive Motor, 18" X 20' Waste Wood Belt Conveyor to Yard & 3' X 5' Scissor Lift Stacking Unit, 7 Ft. 5 Strand Hoist to Planer Feed Table Transfer, & Motor Drives

Yates-American A62 6" X 15" 8 knife Planer/Matcher w/Profiles 80 HP Top, 40 HP Bottom 50 HP Top & Bottom Profile Motors, Side Head Motors, D.C. Feed Motor, 36" X 23' Sgl Cone Pine-Apple Feed Table, 4" Spiral Rolls, D.C. Feed Motor 18" X 12' Planer Refuse Conveyor & 18" X 40 Ft. Planer Outfeed Table, Motor Drives Controls

55 Ft. 6 Strand Planer & Trim Saw Landing Table to Greenchair, 138 Camelback Chain, Steel Races & 72 Ft. 5 Strand Planer Greenchair, 4" Rolltop Chain, Steel Races, Drive Shaft & 5KK G.H. Motor

Hula Saw Area Consisting of (2) Hyd. Operated Trim Saws ea. w/Arlon Motors, I-M 3' X 8' 4 Roll Sweed, 25 Ft. 6 Strand Landing Table Planer, 78 RT Chain, 12" X 30' Cut Stock Outfeed Belt Conveyor, Hyd. Pump, 18" X 27' & 18" X 25' Outfeed Refuse Belt Conveyors Motor Drives

3 Saw 18" Dia. Blades Trim Saw, Arlor Motors w/36" X 7' Slow Down Belt From Planer, 20 Ft. 7 Strand Infeed Transfer to Trimmer, 78 RT Chain, 12" X 25' Outfeed Refuse Belt Conveyor, 26" Sweed & 24" X 25' Outfeed Cut Stock Belt Conveyor to Greenchain Motor Drives

24" X 45' Refuse Belt Conveyor to Yard from Saw Area, H & T Drums, Motor Drive to 24" X 36' Cleated Incline Belt Conveyor to Yard, Motor Drives

Yates-American P24 30" Timber Sizer 50 HP Motor Drive (2) Southworth Model LS6 3' X 5' Infeed Scissor Lifts, 28" X 12' Infeed Rollcase & 28"

0727

QUANTITY	DESCRIPTION
	X 33' Infeed Pineapple Rollcase to Sizer, Single Cone, (7) 8" Dia. Chain Driven Rolls. 30" X 40' Outfeed Rollcase to 6 Ft. 7 Strand Landing Table, all Steel, 138 Camelback Chain, Motor Drives
	FAC FAB Steel Strap Package Bander Model C PL S/N 4327 w/48" X 28' Infeed Rollcase, (10) 12" Dia. Rolls, (2) 5 HP Baldor Horiz. Drills, 10 HP Hyd. Pump, Bumpers, Stanley Strapping Unit 54" X 20' & 54" X 15' Outfeed, Rollcases
	PLANER BUILDING GRINDING ROOM
	Hanchett 48 DN Knife Grinder w/Motor & Coolant S/N 7818
	Michigan MI-48 Knife Grinder, 48" Cap., Coolant & Motor S/N 699
	INCISOR BUILDING
	4 Sided Incisor S/N 2598 w/(4) 8" Dia X 16" Incisor Rolls, Hyd. drives, 20 HP Hyd. Pump, 18 Ft. 4 Strand Infeed Transfer, 81 X Chain, (3) 4,000 Lb. cap Scissor Lifts, 8" x 14' Infeed Rollcase (10) 8" Chain Drive Rolls, 18" X 20' Outfeed Rollcase 912) 8" Chain Driven Rolls, 7' 7 Strand Landing Table from Incisor, 138 Camelback Chain, & 20 Ft. 4 Strand Outfeed Transfer to Yard, Motor Drives
	4 Sided Incisor w/(4) 16" Dia X 24" Incisor Rolls, (2) 5 HP Motors, 16 Ft 3 Strand Infeed Transfer, 78 Chain, (3) 4,000 Lb. Cap Hyd Scissor Lifts 24" X 30' Infeed Rollcase w/(11) 6" Dia Chain Driven Rolls, 24" X 40' Outfeed Rollcase (12) Dia. Chain Driven Rolls, 20 Ft. 3 Strand Outfeed Transfer to Yard, 78 Chain Motor Drives
	Greenlee 8 Ft. Dual Saw Trimmer, 20 HP Arbor Motor, Pass thru Lug Type Transfer, 20 Ft. 2 Strand All Steel Feed Transfer, 78 Chain, 18 Ft. 2 Strand Infeed Transfer 81 X Chain, 24" X 8' Waste Wood Belt Conveyor, Motor drives (not in use)
	TRUCK SHOP
	Lube Dispensing Wait

02-10-44

0728

QUANTITY	DESCRIPTION
	PRESSURE TREATING AREA
LOT	Pressure Treating Process Equipment Consisting of: (6) Retorts 6' Dia in Varying Lengths, (6) Condensate Tanks, (12) Ass't Hot Tanks, (2) 75 HP Vacuum Pumps, (2) Surge Tanks, Tank Form, Main Receiver Tanks, (2) Air Receiver Tank, (2) Water/Chemical Gravity Separators, (2) Batei Mix Tanks, Continental Stand-by Boiler, Gas/Oil; 20,085 BMTU/HR 200 HP Quincy Air Compressor Model QNW740A, General Air Dryer Model MWP200, Pumps, Valves & Piping
	POLE PEELING AREA
LOT	Consisting of (2) 40 Ft. 3 Strand Infeed Log Hauls 84 Chain, Motor to Reducers, Augustine Mfg. Co. Pole Peeler (2) 12" Peeling Leads, Insizing Head, Rubber Tired Drives & Hold-Down Rolls, (4) Carriages, 30' 7 Strand Outfeed Transfer 24" X 10', 24" X 25' Infeed Chain Transfers to Twin Shaft, Hog, (2) 50 HP, Arlor Motors 24" X 15' Inclined & 15" X 50' Refuse Conveyor Hog to Chip Bin. Carothers 24 Unit All Bolted Steel Chip Bin Hyd. Gates, 10 HP Air Compressor, Hyd. Pump, Controls & Elects. Pole Lathe Operation Consisting of Rail Mtd. 10" Pole Tapering Head, Turning Carriages, Rail, 100 Ft. Refuse Belt Conveyor, 81X Chain, Mtr. Drive & 35 Ft. Incline Chain Transfer, 5 HP Hyd Pump, Mtr. Drives.
	KILNS
	8' X 118" Concrete Block Steam Fired Kiln w/7Doors, (2) 50 HP Exhausters, (70) Sq. Tubing Kiln Carts All Steel, Chart Recorders, Piping, Valves & Controls Moore 4 Door 2 Tracks ea. 2 Section 65' X 100' Fabricated All Bolted Steel Dry Kilns w/Exhausters, Rail, Chart Recorders & Controls
	BOILER AREA
	Consisting of Montgomery 24" X 36" Blo-Hog, 100 HP Motor Drive, 17 Ft. 6 Chain Hog Fuel Boiler Infeed Transfer & 20 Ft. Infeed Transfer, 78 Chain, 60 Ft. Net Silo Infeed Pit Conveyor H110 Chain, & 120' 1" X 6" Link Chain Infeed Transfer to (2) Wet Silos, 35' X 30' All Bolted Steel

0729

QUANTITY	DESCRIPTION
	Wet Silo Cone Bottom & 12" X 40' X 12" X 56' Silo to Boiler Feed Works Transfers, Western Waste Fuel Fired Boiler, Wastewater Filter, 4800 SF Bolted Steel Boiler Building, Ash Recovery System 2 Blowers, (2) Peerless 20 All Bolted Steel Chip Bins, Clark Model 606 Bag House, Blowers, Recycling Dust Hopper Blowpipe
	WASTEWATER TREATMENT
3	16' Dia X 18'h Mixing Tanks w/Agitators, 8' Dia + 15'h, (2) 12' Dia X 40'h, 12' X 35', 12' X 25', 18' X 15', 4' X 7', 8'X 10', 6' X 27' Tanks & Culligan Water Treatment System, 4 Section Clarifier, Pumps, Valves & Piping
	Electrolytic Stripping Unit w/Welders Tank, Mixer, & Conveyors
	PUMP HOUSE
	Fire Protection Pumping System Consisting of 200 HP, 2000 GPM Vert. Pump, 2000 GPM Vert Pump w/Cummins Diesel Engine, 10 hp Aux. Vert. Pump, Diesel Fuel Tank, Controllers Piping & Valves
	Baltimore Aircoil Evaporation Condenser Model 4256-01 S/N 6633-80, (2) Vert. Pump Units, 20 HP, 2 Insulated Tanks Piping & Valves
2	Ace 10,000 gal. Fuel Tanks w/(2) Tokheim Fuel Pumps
	Custom Built Plywood Turner, Motorized
	Special Purpose Drill & Cut up Line Consisting of Custom 5 HP Vert. Drill, 30" Dia Radial Arm Saw, 7½ HP Motors, 14" X 20' Gravity Rollcase, 12" X 30' Waste Wood Belt Conveyor, Scrap Hoppers, Motor Drives
	Toledo Model 2692 Platform Scale, 40,000 Lb. Cap., Single Beam, 10' X 10' Platform S/N 503240
LOT	Electric Equipt. Consisting of Motor Control Centers, disconnects, Magnetics, Circuit Breakers, Motor Starters, Elect. Wiring & Conduit throughout Mill Complex (Electrical directly related to the buildings was not considered in this appraisal)

0730

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Stephen Werts, OSBA 74337
Attorney at Law
3200 U.S. Bancorp Tower
111 SW Fifth Avenue
Portland, OR 97204-3688
(503) 228-3200

Re: 123
133

IN THE UNITED STATES BANKRUPTCY COURT
FOR THE DISTRICT OF OREGON

In Re:	
PACIFIC WOOD TREATING CORPORATION,	Case No. 393-34766-P7
Debtor.	ORDER AUTHORIZING TRUSTEE TO SELL PROPERTY FREE AND CLEAR OF LIENS (SELECT REAL AND PERSONAL PROPERTY)

Robert K. Morrow, Inc., Trustee of Pacific Wood Treating Corporation, filed a motion for authority to sell property free and clear of liens certain real and personal property described in the motion of the Port of Ridgefield. Clark County filed a precautionary objection asking that the proceeds be impressed with its claimed lien for taxes. The notice allowed for submission of competing bids. The Trustee advised the court that no bids were received. After notice and hearing held January 26, 1994, at which Robert K. Morrow, Stephen Werts (telephonically), Mark Reeve, Bronson Potter, and Gregg Johnson appeared, and the court having considered the stipulation of Robert K. Morrow, Inc. and the Clark County Treasurer relating to Clark County's tax lien and the court being fully advised,

IT IS HEREBY ORDERED that the Trustee is authorized to sell

03-10-94

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the real and personal property identified in the motion and notice free and clear of liens. Provided, that from the proceeds of the sale the Trustee shall make disbursement to the Clark County Treasurer for taxes which are secured by valid tax liens. The taxes which are secured by a valid tax lien include the 1992 and 1993 real property taxes (land value only which total $5,134.76) together with the prorated amount of the 1994 real property taxes. The other proceeds realized by the sale of the property shall be distributed to secured creditors which have duly perfected secured interest in the assets sold, and the balance after payment of such claims shall be retained in the trustee's trust account until distributed pursuant to applicable provisions of the United States Bankruptcy code.

By: _____
Judge Elizabeth L. Perris

Submitted by:

PRESTON THORGRIMSON SHIDLER
GATES & ELLIS

_____
Stephen Werts, OSBA 74337,
WSBA 3283, Attorney for Trustee

cc: R Morrow
G Johnson
E Bronson Potter
U.S. Trustee
Stephen Werts

FILED FOR RECORD
CLARK CO. WASH
TRANSAMERICA TITLE INSURANCE CO
MAR 10 3 51 PM '94
AUDITOR
ELIZABETH A. LUCE

03-10-94

0732

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
P.O. BOX 5000
VANCOUVER, WASHINGTON 98666-5000
(206) 699-2261

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affid.# 364194 Date 3/10/94
For details of tax paid see
Affid.#
Doug Lasher
Clark County Treasurer
By Deputy

10

9403100278

FILED FOR RECORD AT REQUEST OF
AND WHEN RECORDED RETURN TO:
Port of Ridgefield, Washington
c/o E.J. Schmitz
PO Box 55
Ridgefield, WA 98642

BANKRUPTCY TRUSTEE'S DEED

GRANTOR: Robert K. Morrow, Inc., in its capacity as chapter 7 trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for the District of Oregon, Case No. 393-34766-P7

GRANTEE: Port of Ridgefield

TRUE AND ACTUAL CONSIDERATION: $10.00 and other valuable consideration.

DATE: March 1, 1994

Grantor conveys and quitclaims to Grantee all of the grantor's interest in the real property described as follows:

That portion of the James Carty Donation Land Claim No. 48 lying within Section 24, Township 4 North, Range 1 West of the Willamette Meridian, described as follows:

BEGINNING at a point on the North line of the South half of said Carty Donation Land Claim that is South 89° 45' West 185.0 feet from the intersection of said North line with the Westerly line of the Northern Pacific Railway Co's right of way, as established 100 feet in width by instrument recorded in Book 7, at Page 594, deed records of said County; thence South 89° 45' West, along said North line, 75.0 feet to the Northwest corner of the tract conveyed to the Town of Ridgefield by deed recorded under Auditor's File No. G 264451; thence South 2° 18' 15" East, along the Westerly line of said Town of Ridgefield tract, a distance of 200.0 feet; thence North 89° 45' East, parallel with the North line of the South half of said Carty Donation Land Claim, a distance of 200.0 feet to the Easterly line of said Town of Ridgefield tract; thence North 2° 18' 15" West, along said Town of Ridgefield tract; thence North 2° 18' 15" West, along said Easterly line, 38.0 feet; thence South 89° 45' West, parallel with the North line of the South half of said Carty Donation Land Claim; a distance of 125.0 feet; thence North 2° 18' 15" West, parallel with the Westerly line of said railway right of way, a distance of 162.0 feet to the Point of Beginning.

This quitclaim deed also conveys to Grantee all after-acquired title of Grantor in and to the above-described real property.

0716

03-10-94

The real property, including all improvements thereon and appurtenances thereto, is conveyed "AS IS" and without representation or warranty, express or implied, and by recording this deed, Grantee accepts the property in that condition.

ROBERT K. MORROW, INC., Trustee

By: _____
Robert K. Morrow, President

STATE OF OREGON)
) ss.
County of Multnomah)

This instrument was acknowledged before me on March 1, 1994, by Robert K. Morrow as president of Robert K. Morrow, Inc., in its capacity as trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for District of Oregon, Case No. 393-34766-P7.

_____
Notary Public for Oregon
My Commission Expires: 12-20-95

OFFICIAL SEAL
JANET Z. DUNCAN
NOTARY PUBLIC-OREGON
COMMISSION NO. 010913
MY COMMISSION EXPIRES DEC. 20, 1995

03-10-94

DLD\4119mkc.bsd

0717

Stephen Werts, OSBA 74337
Attorney at Law
3200 U.S. Bancorp Tower
111 SW Fifth Avenue
Portland, OR 97204-3688
(503) 228-3200

Pg. 123
133

IN THE UNITED STATES BANKRUPTCY COURT
FOR THE DISTRICT OF OREGON

In Re: PACIFIC WOOD TREATING CORPORATION, Debtor.	Case No. 393-34766-P7 ORDER AUTHORIZING TRUSTEE TO SELL PROPERTY FREE AND CLEAR OF LIENS (SELECT REAL AND PERSONAL PROPERTY)

Robert K. Morrow, Inc., Trustee of Pacific Wood Treating Corporation, filed a motion for authority to sell property free and clear of liens certain real and personal property described in the motion of the Port of Ridgefield. Clark County filed a precautionary objection asking that the proceeds be impressed with its claimed lien for taxes. The notice allowed for submission of competing bids. The Trustee advised the court that no bids were received. After notice and hearing held January 26, 1994, at which Robert K. Morrow, Stephen Werts (telephonically), Mark Reeve, Bronson Potter, and Gregg Johnson appeared, and the court having considered the stipulation of Robert K. Morrow, Inc. and the Clark County Treasurer relating to Clark County's tax lien and the court being fully advised,

IT IS HEREBY ORDERED that the Trustee is authorized to sell

0718

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
P.O. BOX 5000
VANCOUVER, WASHINGTON 98668-5000
(206) 699-2261

148

03-10-94

the real and personal property identified in the motion and notice free and clear of liens. Provided, that from the proceeds of the sale the Trustee shall make disbursement to the Clark County Treasurer for taxes which are secured by valid tax liens. The taxes which are secured by a valid tax lien include the 1992 and 1993 real property taxes (land value only which total $5,134.76) together with the prorated amount of the 1994 real property taxes. The other proceeds realized by the sale of the property shall be distributed to secured creditors which have duly perfected secured interest in the assets sold, and the balance after payment of such claims shall be retained in the trustee's trust account until distributed pursuant to applicable provisions of the United States Bankruptcy code.

By: _____
Judge Elizabeth L. Perris

Submitted by:

PRESTON THORGRIMSON SHIDLER
GATES & ELLIS

_____
Stephen Werts, OSBA 74337,
WSBA 3283, Attorney for Trustee

cc: R Morrow
G Johnson
E Bronson Potter
U.S. Trustee
Stephen Werts

FILED FOR RECORD
CLARK CO. WASH
TRANSAMERICA TITLE INSURANCE CO.
Mar 10 3 50 PM '94
AUDITOR
ELIZABETH A. LUCE

0719

03-10-94

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
P.O. BOX 5000
VANCOUVER, WASHINGTON 98666-5000
(206) 699-2261

9403100277

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affd.# 364193 Date 3-10-94
For details of tax paid see
Affd.#
Doug Lasher
Clark County Treasurer
By Deputy

10

FILED FOR RECORD AT REQUEST OF
AND WHEN RECORDED RETURN TO:
Port of Ridgefield, Washington
c/o E.J. Schmitz
PO Box 55
Ridgefield, WA 98642

BANKRUPTCY TRUSTEE'S DEED

GRANTOR: Robert K. Morrow, Inc., in its capacity as chapter 7 trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for the District of Oregon, Case No. 393-34766-P7

GRANTEE: Port of Ridgefield

TRUE AND ACTUAL CONSIDERATION: $10.00 and other valuable consideration.

DATE: March 7, 1994

Grantor conveys and quitclaims to Grantee all of the grantor's interest in the real property described as follows:

That portion of the James Carty Donation Land Claim in Section 24, Township 4 North, Range 1 East of the Willamette Meridian, described as follows:

Beginning at a point that is 897.00 feet, more or less, South and 1656.8 feet, more or less, West of the Northeast corner of said Section 24; said point being the Northeast corner of that certain tract conveyed to Washington Refining Company, by deed recorded under auditor's file No. C 85856; thence Westerly a distance of 200.00 feet to the Northwest corner of said Washington Refining Company tract; thence Southerly 200.00 feet to the Southwest corner of said Washington Refining Company tract; thence Easterly 200.00 feet to the Southeast corner of said Washington Refining Company tract; thence Northerly 200.00 feet to the point of beginning.

Together with those certain easements for railroad right of way and roadway purposes as described in Volume 203, Page 485, records of Clark County, Washington.

This quitclaim deed also conveys to Grantee all after-acquired title of Grantor in and to the above-described real property.

0713

03-10-94

The real property, including all improvements thereon and appurtenances thereto, is conveyed "AS IS" and without representation or warranty, express or implied, and by recording this deed, Grantee accepts the property in that condition.

ROBERT K. MORROW, INC., Trustee

By: _____
Robert K. Morrow, President

STATE OF OREGON)
) ss.
County of Multnomah)

This instrument was acknowledged before me on March 1, 1994, by Robert K. Morrow as president of Robert K. Morrow, Inc., in its capacity as trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for District of Oregon, Case No. 393-34766-P7.

Janet Z Duncan
Notary Public for Oregon
My Commission Expires: 12-20-95

OFFICIAL SEAL
JANET Z. DUNCAN
NOTARY PUBLIC-OREGON
COMMISSION NO. 010913
MY COMMISSION EXPIRES DEC. 20, 1995

03-10-94

0713

DLD\4120mkr.bd

Stephen Werts, OSBA 74337
Attorney at Law
3200 U.S. Bancorp Tower
111 SW Fifth Avenue
Portland, OR 97204-3688
(503) 228-3200

IN THE UNITED STATES BANKRUPTCY COURT
FOR THE DISTRICT OF OREGON

In Re: PACIFIC WOOD TREATING CORPORATION, Debtor.	Case No. 393-34766-P7 ORDER AUTHORIZING TRUSTEE TO SELL PROPERTY FREE AND CLEAR OF LIENS (SELECT REAL AND PERSONAL PROPERTY)

Robert K. Morrow, Inc., Trustee of Pacific Wood Treating Corporation, filed a motion for authority to sell property free and clear of liens certain real and personal property described in the motion of the Port of Ridgefield. Clark County filed a precautionary objection asking that the proceeds be impressed with its claimed lien for taxes. The notice allowed for submission of competing bids. The Trustee advised the court that no bids were received. After notice and hearing held January 26, 1994, at which Robert K. Morrow, Stephen Werts (telephonically), Mark Reeve, Bronson Potter, and Gregg Johnson appeared, and the court having considered the stipulation of Robert K. Morrow, Inc. and the Clark County Treasurer relating to Clark County's tax lien and the court being fully advised,

IT IS HEREBY ORDERED that the Trustee is authorized to sell

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
P.O. BOX 5000
VANCOUVER, WASHINGTON 98666-5000
(206) 699-2261

the real and personal property identified in the motion and notice free and clear of liens. Provided, that from the proceeds of the sale the Trustee shall make disbursement to the Clark County Treasurer for taxes which are secured by valid tax liens. The taxes which are secured by a valid tax lien include the 1992 and 1993 real property taxes (land value only which total $5,134.76) together with the prorated amount of the 1994 real property taxes. The other proceeds realized by the sale of the property shall be distributed to secured creditors which have duly perfected secured interest in the assets sold, and the balance after payment of such claims shall be retained in the trustee's trust account until distributed pursuant to applicable provisions of the United States Bankruptcy code.

By: Elizabeth L. Perris
Judge Elizabeth L. Perris

Submitted by:

PRESTON THORGRIMSON SHIDLER
GATES & ELLIS

Stephen Werts
Stephen Werts, OSBA 74337,
WSBA 3283, Attorney for Trustee

cc: R Morrow
G Johnson
E Bronson Potter
U.S. Trustee
Stephen Werts

FILED FOR RECORD
CLARK CO. WASH
TRANSAMERICA TITLE INSURANCE CO
MAR 10 3 50 PM '94
AUDITOR
ELIZABETH A. LUCE

0715

03-10-94

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
PO BOX 5000
VANCOUVER, WASHINGTON 98666-5000
(206) 699-2261

9403100276

10

FILED FOR RECORD AT REQUEST OF
AND WHEN RECORDED RETURN TO:
Port of Ridgefield, Washington
c/o E.J. Schmitz
PO Box 55
Ridgefield, WA 98642

BANKRUPTCY TRUSTEE'S DEED

GRANTOR: Robert K. Morrow, Inc., in its capacity as chapter 7 trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for the District of Oregon, Case No. 393-34766-P7

GRANTEE: Port of Ridgefield

Real Estate Excise Tax
Ch. 11 Rev. Laws 1951
EXEMPT
Affid.# 364/92 Date 3-10-94
For details of tax paid see
Affid.#
Doug Lasher
Clark County Treasurer
By Deputy

TRUE AND ACTUAL CONSIDERATION: $10.00 and other valuable consideration.

DATE: March 1, 1994

Grantor conveys and quitclaims to Grantee all of the grantor's interest in the real property described as follows:

That portion of the James Carty Donation Land Claim No. 48 in Section 24, Township 4 North, Range 1 West of the Willamette Meridian, described as follows:

BEGINNING at a point in the intersection of the North boundary line of the James Carty Claim No. 48 and the Westerly right of way boundary line of the Northern Pacific Railway from which point the Northwest corner of said Claim No. 48 bears North 89° 32' West 28.094 chains distant; thence with said Westerly boundary line South 2° 11' East, 25.692 chains; thence South 89° 52' West, 4.924 chains; thence North 2° 11' West, 7.000 chains; thence East 1.141 chains; thence North 2° 11' West, 18.734 chains; thence South 89° 32' East, 3.788 chains to the Place of Beginning;

EXCEPTING therefrom the following described tract:

BEGINNING at a point of intersection of the Westerly line of the Northern Pacific Railway Company's right of way as established 100 feet in width by instrument recorded in Book 7, at Page 594, deed records of said County, with the North line of the South half of said Carty Donation Land Claim; thence 89° 45' West, along said North line, 185.00 feet; thence North 2° 18' 15" West, parallel with the Westerly line of said Railway right of way, a distance of 118.00 feet; thence North 89° 45' East, 185.00 feet to the Westerly line of said railway right of way; thence South 2° 18' 15" East, along said Westerly line, 118.00 feet to the Point of Beginning.

03-10-94

0708

This quitclaim deed also conveys to Grantee all after-acquired title of Grantor in and to the above-described real property.

The real property, including all improvements thereon and appurtenances thereto, is conveyed "AS IS" and without representation or warranty, express or implied, and by recording this deed, Grantee accepts the property in that condition.

ROBERT K. MORROW, INC., Trustee

By: _____
Robert K. Morrow, President

STATE OF OREGON)
) ss.
County of Multnomah)

This instrument was acknowledged before me on March 1, 1994, by Robert K. Morrow as president of Robert K. Morrow, Inc., in its capacity as trustee for the bankruptcy estate of Pacific Wood Treating Corporation, United States Bankruptcy Court for District of Oregon, Case No. 393-34766-P7.

Janet Z Duncan
Notary Public for Oregon
My Commission Expires: 12-20-94

OFFICIAL SEAL
JANET Z. DUNCAN
NOTARY PUBLIC-OREGON
COMMISSION NO. 010913
MY COMMISSION EXPIRES DEC. 20, 1995

03-10-94

DLD\4055mkc.bid

0700

Stephen Werts, OSBA 74337
Attorney at Law
3200 U.S. Bancorp Tower
111 SW Fifth Avenue
Portland, OR 97204-3688
(503) 228-3200

12:123
133

IN THE UNITED STATES BANKRUPTCY COURT
FOR THE DISTRICT OF OREGON

In Re:	
PACIFIC WOOD TREATING CORPORATION,	Case No. 393-34766-P7
Debtor.	ORDER AUTHORIZING TRUSTEE TO SELL PROPERTY FREE AND CLEAR OF LIENS (SELECT REAL AND PERSONAL PROPERTY)

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IT IS HEREBY ORDERED that the Trustee is authorized to sell

03-10-94

0710

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
P.O. BOX 5000
VANCOUVER, WASHINGTON 98666-5000
(206) 699-2281

(148)

the real and personal property identified in the motion and notice free and clear of liens. Provided, that from the proceeds of the sale the Trustee shall make disbursement to the Clark County Treasurer for taxes which are secured by valid tax liens. The taxes which are secured by a valid tax lien include the 1992 and 1993 real property taxes (land value only which total $5,134.76) together with the prorated amount of the 1994 real property taxes. The other proceeds realized by the sale of the property shall be distributed to secured creditors which have duly perfected secured interest in the assets sold, and the balance after payment of such claims shall be retained in the trustee's trust account until distributed pursuant to applicable provisions of the United States Bankruptcy code.

By: _____
Judge Elizabeth L. Perris

Submitted by:

PRESTON THORGRIMSON SHIDLER
GATES & ELLIS

_____
Stephen Werts, OSBA 74337,
WSBA 3283, Attorney for Trustee

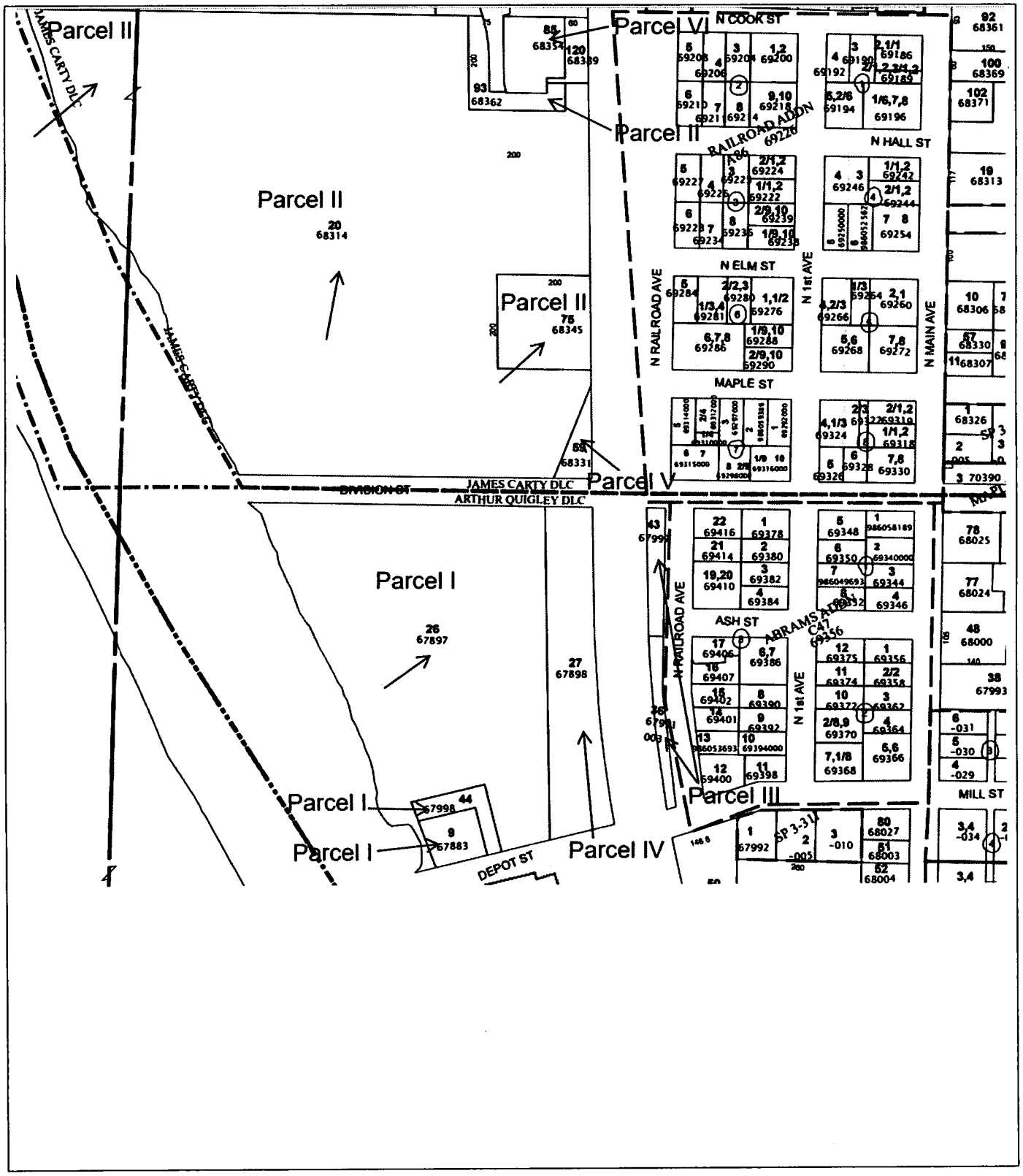
cc: R Morrow
G Johnson
E Bronson Potter
U.S. Trustee
Stephen Werts

FILED FOR RECORD
CLARK CO. WASH.
TRANSAMERICA TITLE INSURANCE CO.
MAR 10 3 50 PM '94
AUDITOR
ELIZABETH A LUCE

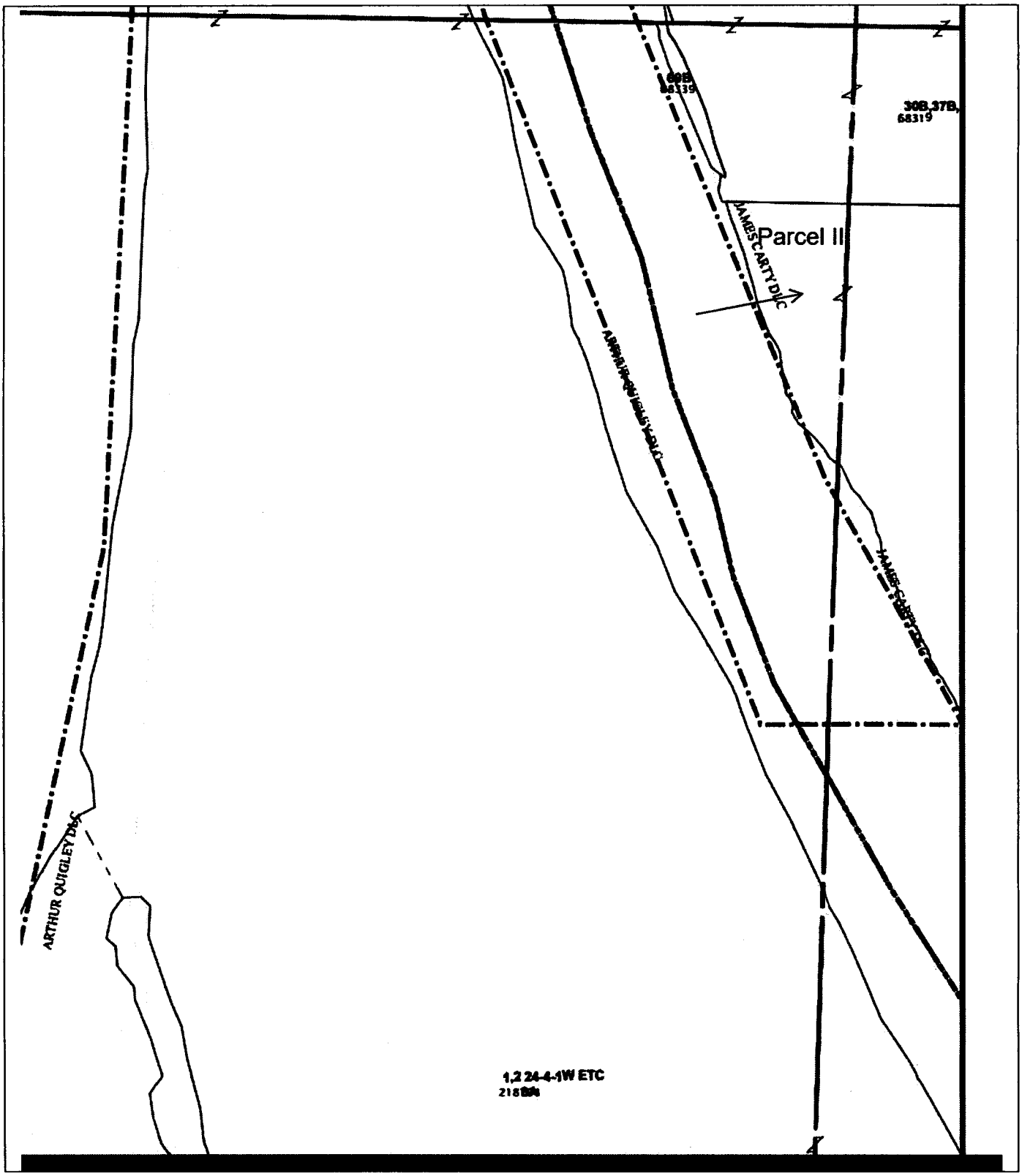
0711

03-10-94

CLARK COUNTY PROSECUTING ATTORNEY
1200 FRANKLIN
PO BOX 5000
VANCOUVER, WASHINGTON 98666-5000
(206) 699-2261



This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.



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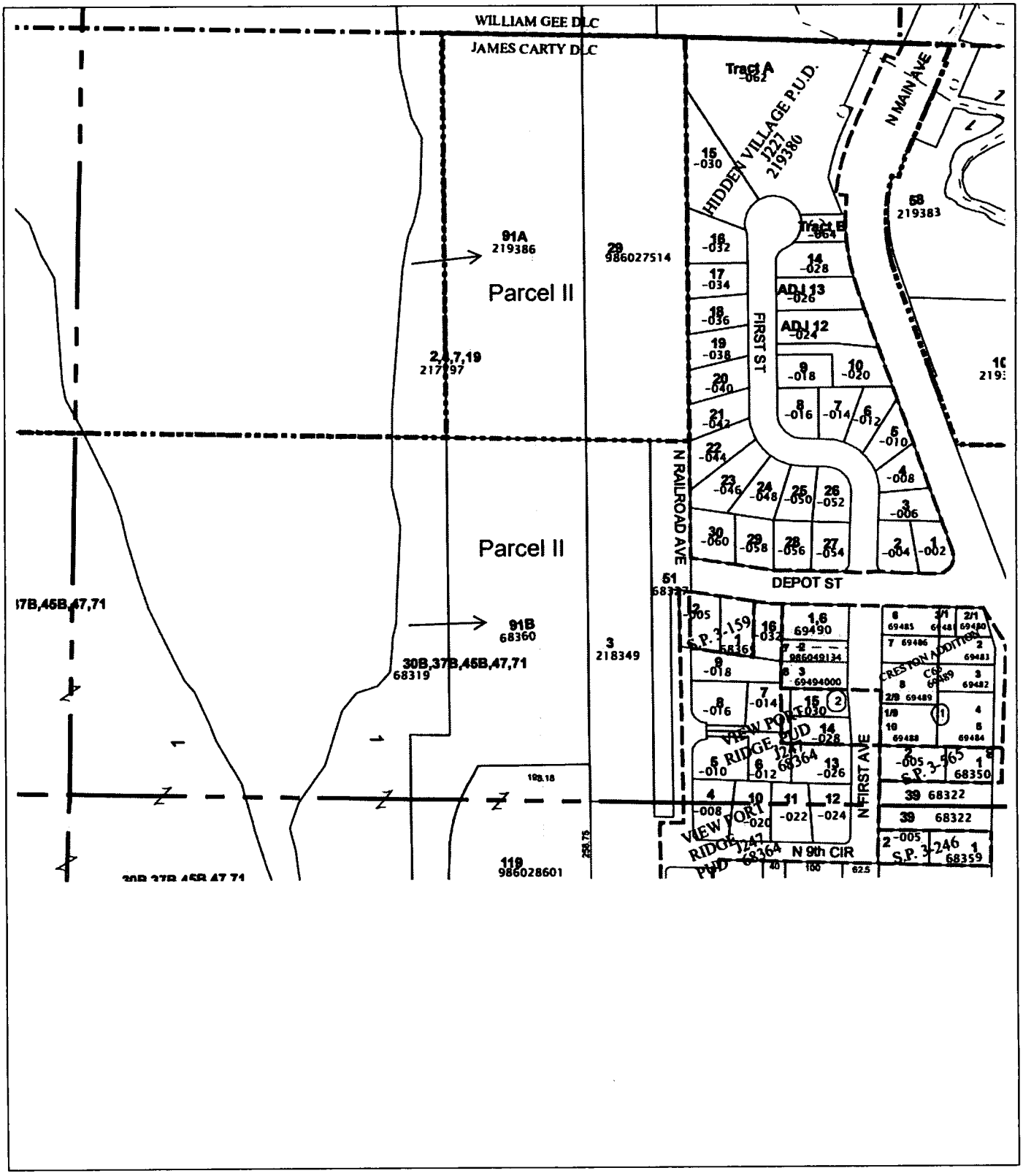
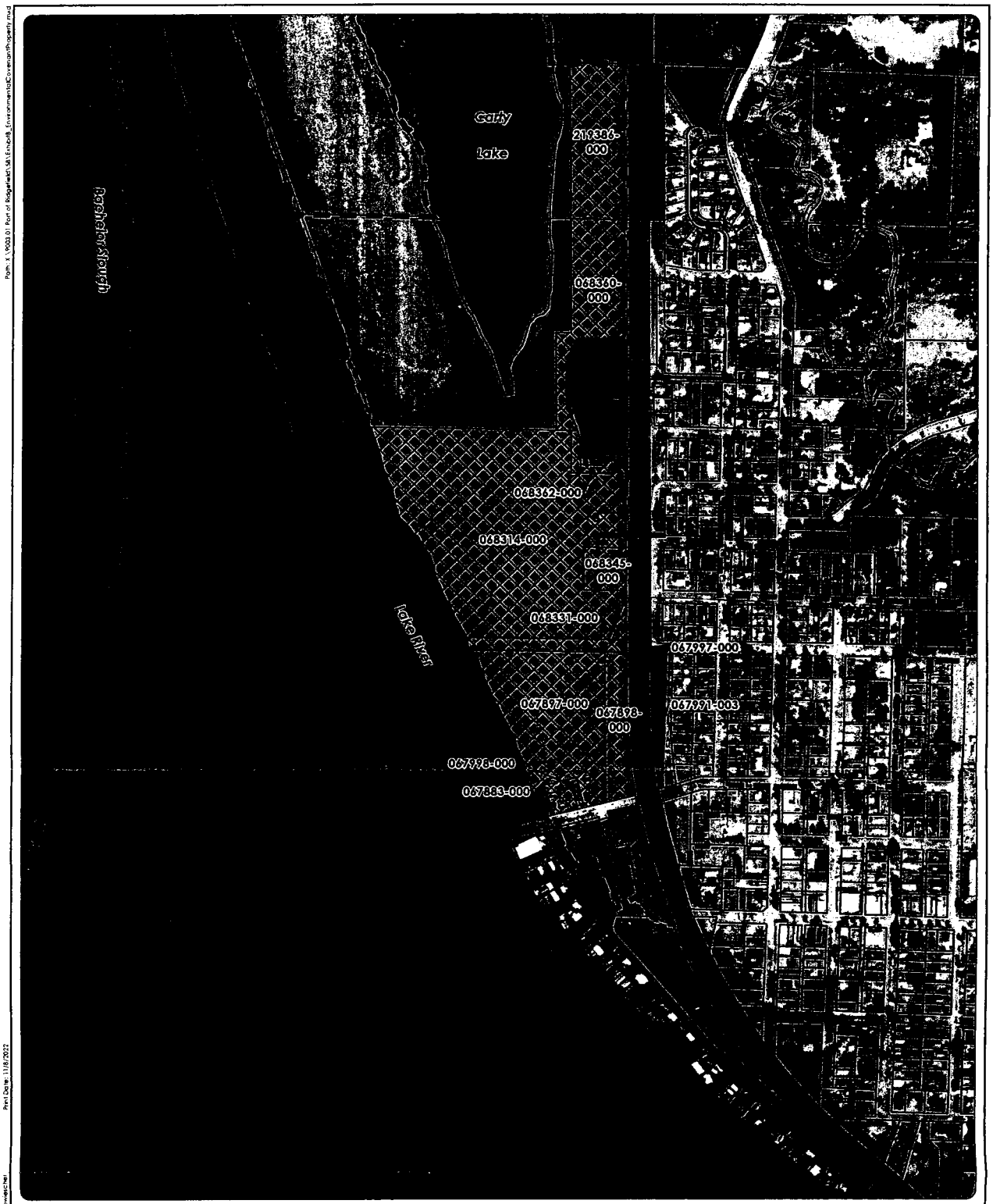


This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

Exhibit B

PROPERTY MAP



Notes:
BNSF = Burlington Northern Sante Fe.
LRIS = Lake River Industrial Site.
Port = Port of Ridgefield.
RNWR = Ridgefield National Wildlife Refuge.
WWTP = wastewater treatment plant.

Data Source:
Aerial photograph obtained from Esri.
Tax lots obtained from Clark County.

Legend

- Pacific Wood Treating Site
- Tax Lots
- Environmental Canvenant (with tax parcel numbers)

Area Designations

LRIS
- Port-Owned
- City of Ridgefield WWTP

Port-Owned
- Railroad Avenue Property
- Port Marina Property
- Overpass Property

Upland Off-Property
- Residential; Low-Density
- McCuddy's Marina Property

Other
- RNWR-Carty Unit
- RNWR-River S Unit
- BNSF Railroad Property
- Lake River

0 250 500
Feet

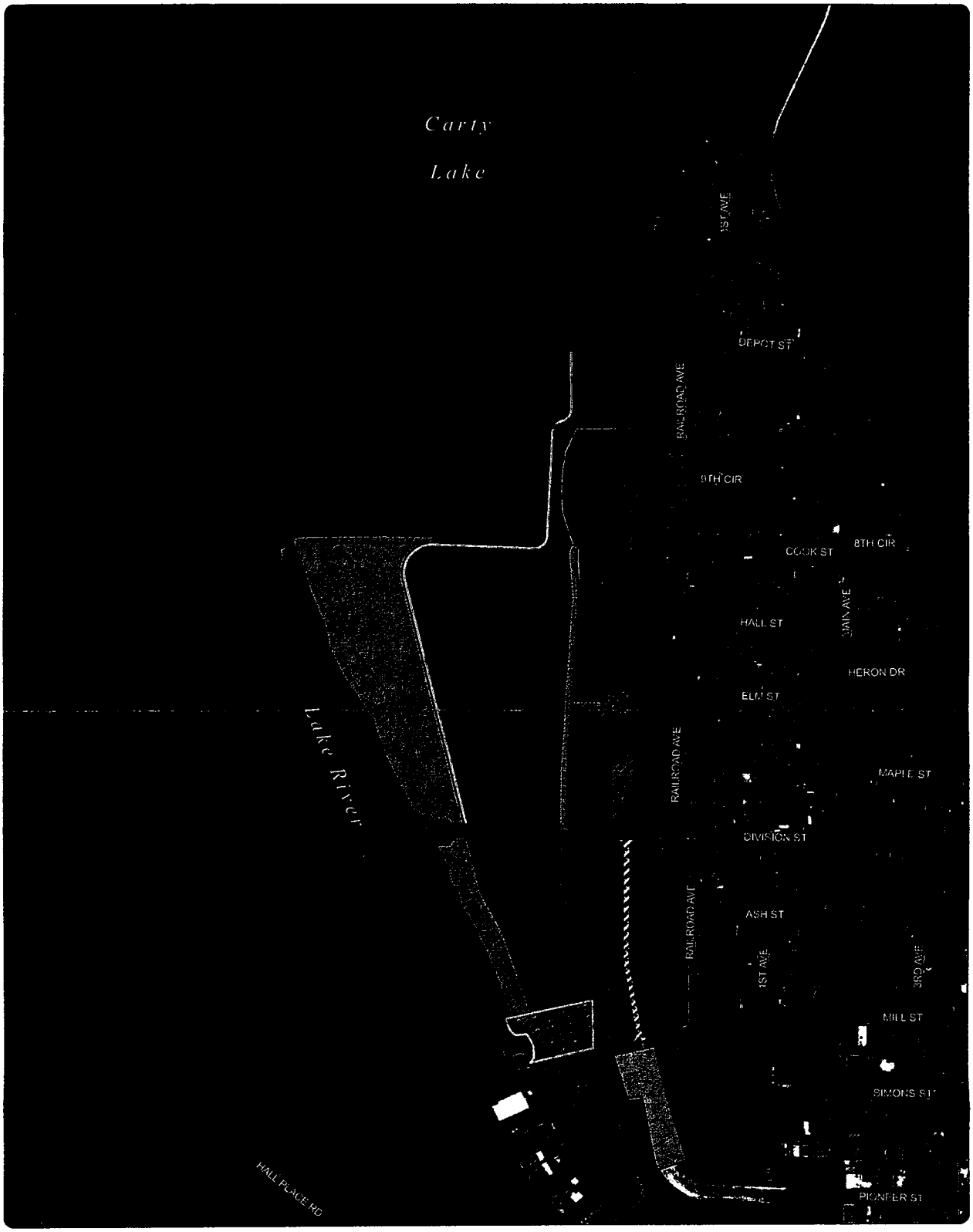
Exhibit B
Environmental Covenant Property Map
Pacific Wood Treating Corp
Ridgefield, Washington

MAUL FOSTER ALONGI
p. 971 544 2139 | www.maulfoster.com

Path: X:\M0003.01 Port of Ridgefield\GIS\Enviro\EnvironmentalCovenantProperty.mxd
Print Date: 11/8/2022
Reviewed By: pwelscher
Produced By: jeshort
Project: M0003.01.058

Exhibit C

MAPS ILLUSTRATING LOCATION OF RESTRICTIONS



Source: Aerial imagery obtained from Esri.

Note: WWTP = wastewater treatment plant

- Port of Ridgefield Cell Boundaries
- Railroad Avenue Property
- Port Marina Property (Existing Asphalt)
- WWTP
- Asphalt Cap and Building
- Gravel Cap
- 2' Soil Cap
- 3' Soil Cap
- Division & Pioneer Streets (Minimum 5" Asphalt, 14" Crushed Base Rock, and Demarcation Fabric over the existing subgrade)
- Hard Trail (6" Crushed Base Rock, 2.5" Asphalt over 24" Soil Cap (min))
- Hard trail (6" Crushed Base Rock, 2.5" Asphalt over impacted soil)
- Soft Trail (3" Crushed Base Rock over 36" Soil Cap (min) over Demarcation Fabric)
- Cell 2 Gravel Access Road (2' Crushed Base Rock over Demarcation Fabric)
- Cell 3 Gravel Access Road (8" Crushed Base Rock over 16" of Soil Cap over Demarcation Fabric)

MAUL FOSTER ALONGI
p. 971 544 2139 | www.maulfoster.com

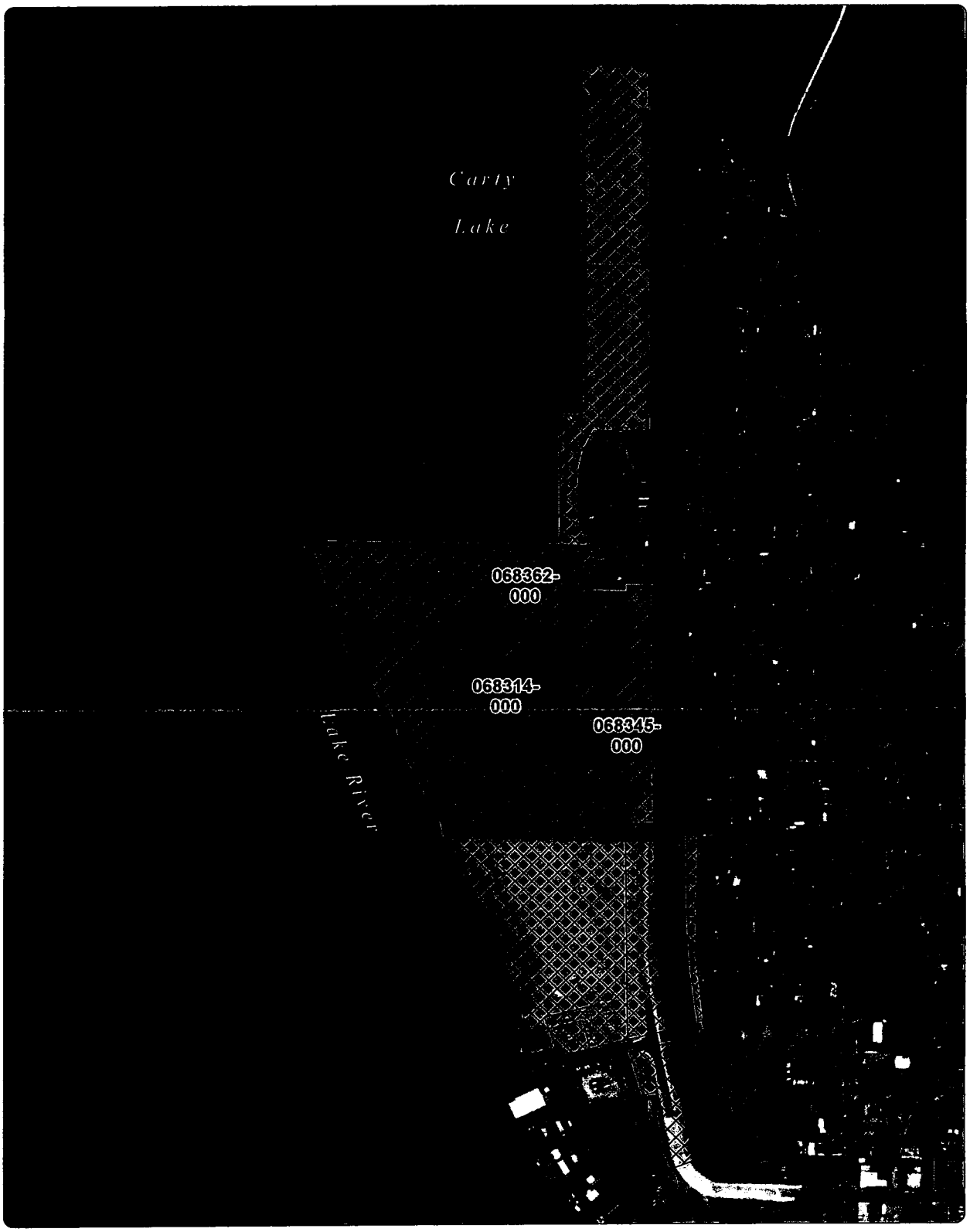
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Exhibit C-1
Final Cap Overview

Pacific Wood Treating Corp
Ridgefield, Washington

0 150 300
Feet

Path: X:\18003.01 Port of Ridgefield\GIS\Exhibit C-1 Final Cap Overview.mxd
Print Date: 11/7/2022
Approved By: rowe
Produced By: jpabst
Project: 18003.01.058



Source: Aerial photograph obtained from Esri.
Tax lots obtained from Clark County GIS.

Note: The areas depicted as containing the potential for vapor concern are areas in which residual volatile chemicals may exist.

Legend

- Environmental Convenant
- Environmental Convenant-Potential Vapor Concern (with tax parcel number)

Exhibit C-2
Areas With Potential Vapor Concern

Pacific Wood Treating Corp
Ridgefield, Washington

0 150 300
Feet

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Path: X:\8003.01 Port of Ridgefield\GIS\Exhibit C-2 Potential Vapor Concern Areas.mxd
Print Date: 11/7/2022
Approved By: cwise
Produced By: ekstorr
Project: 8003.01.158

Exhibit D

SUBORDINATION AGREEMENT

SUBORDINATION AGREEMENT

KNOW ALL PERSONS, That the City of Ridgefield, the owner and holder of that certain Division Street Right of Way subject to this Environmental Covenant and identified as such in Exhibit B of this document, , does hereby agree that said Right of Way shall be subordinate to the interest of the State of Washington, Department of Ecology, under the Environmental (restrictive) Covenant dated October 12, 2023, as executed by the Port of Ridgefield as Grantor and the State of Washington, Department of Ecology, as Grantee, and recorded in Clark County, Washington under Auditor's File Number _____.

by: Steve Stuart

Title: City Manager

Dated: October 13, 2023

REPRESENTATIVE ACKNOWLEDGEMENT

STATE OF Washington COUNTY OF Clark

On this 13 day of October, 2023 I certify that Steven Stuart personally appeared before me, acknowledged that **he** signed this instrument, on oath stated that **he** was authorized to execute this instrument, and acknowledged it as City Manager of the City of Ridgefield to be the free and voluntary act and deed of such party for the uses and purposes mentioned in the instrument.

YULIYA FERRISS NOTARY PUBLIC STATE OF WASHINGTON My Comm. Expires January 31 2026 No 116318

Yuliya Ferriss

Notary Public in and for the State of Washington

Residing at Clark County

My appointment expires 1-31-26

SUBORDINATION AGREEMENT

KNOW ALL PERSONS, that Clark Public Utilities, the owner and holder of that certain easement bearing the date the 17th day of September, 1930, executed by Ridgefield Lumber Company and recorded in the office of the County Auditor of Clark County, State of Washington, on February 5th, 1931, under Auditor's File Number D 864, and that certain easement bearing the date the 30th day of April, 1959, executed by Ridgefield Port District and recorded in the office of the County Auditor of Clark County, State of Washington, on May 1st, 1959, under Auditor's File Number G 261365 and does hereby agree that said Instruments shall be subordinate to the interest of the State of Washington, Department of Ecology (the "Department"), under the Environmental Covenant between the Department and the Port of Ridgefield, which has been recorded in Clark County, Washington under Auditor's File Number _____.

_____
by: John Eldridge
Title: General Counsel
Dated: October, 24, 2023

REPRESENTATIVE ACKNOWLEDGEMENT

STATE OF WASHINGTON
COUNTY OF CLARK

On this 24 of October, 2023, I certify that personally appeared before me, acknowledged that he signed this instrument, on oath stated that he was authorized to execute this instrument, and acknowledged it as the General Counsel of Clark Public Utilities to be the free and voluntary act and deed of such party for the uses and purposes mentioned in the instrument.

Margaret Anderson
Notary Public in and for the State of Washington
Residing at Vancouver, Wa
My appointment expires 5.5.2026

MARGARET ANDERSON
Notary Public
State of Washington
Commission Number 172210
My Commission Expires
05-05-2026

APPENDIX B

SOIL MANAGEMENT AND CAP MAINTENANCE

APPENDIX B
SOIL MANAGEMENT AND CAP MAINTENANCE

APPENDIX B-1

SOIL MANAGEMENT AND CAP MAINTENANCE PLAN, FORMER PACIFIC WOOD TREATING CO. SITE FACILITY ID 1019, CLEANUP SITE ID 3020

SOIL MANAGEMENT AND CAP MAINTENANCE PLAN

FORMER PACIFIC WOOD TREATING CO. SITE
FACILITY ID 1019, CLEANUP SITE ID 3020

Prepared for
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON
June 9, 2021
Project No. 9003.01.55

Prepared by
Maul Foster & Alongi, Inc.
109 East 13th Street, Vancouver, WA 98660

MAUL FOSTER ALONGI

SOIL MANAGEMENT AND CAP MAINTENANCE PLAN

FORMER PACIFIC WOOD TREATING CO. SITE
FACILITY ID 1019, CLEANUP SITE ID 3020

The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

Phil Wiescher, PhD
Senior Environmental Scientist

Josh Elliott, PE
Senior Engineer

CONTENTS

CONTENTS (CONTINUED)

TABLES AND ILLUSTRATIONS

ACRONYMS AND ABBREVIATIONS

BNSF	Burlington Northern-Santa Fe Railway
CAMU	corrective action management unit
CFR	Code of Federal Regulations
the City	City of Ridgefield
CUL	cleanup level
CWM	Chemical Waste Management
DEQ	Oregon Department of Environmental Quality
dioxins	chlorinated dibenzo-p-dioxins and dibenzofurans
Ecology	Washington State Department of Ecology
HAZWOPER	Hazardous Waste Operations and Emergency Response
IHS	indicator hazardous substance
impacted soil	soil that may contain listed wood-preserving wastes from the former PWT operations
LRIS	Lake River Industrial Site
MFA	Maul Foster & Alongi, Inc.
MTCA	Model Toxics Control Act
OSHA	Occupational Safety and Health Act
PAH	polycyclic aromatic hydrocarbon
Port	Port of Ridgefield
the Property	Port-owned portions of the LRIS, Railroad Avenue property, Port Marina property, and Railroad Overpass property
PWT	Pacific Wood Treating Co.
RCRA	Resource Conservation and Recovery Act
RI/FS	remedial investigation and feasibility study
SAP	Sampling and Analysis Plan
SMCMP	Soil Management and Cap Maintenance Plan
TEE	terrestrial ecological evaluation
WAC	Washington Administrative Code
WSDOT	Washington State Department of Transportation
WWTP	wastewater treatment plant

1 INTRODUCTION

This Soil Management and Cap Maintenance Plan (SMCMP) governs Port of Ridgefield (Port)-owned properties that have an environmental cap. A cap is designed as a protective structure to prevent human and ecological exposure to chemicals that remain in soil below the cap. All activities conducted where an environmental cap is present must be managed in a manner that preserves the cap structure and integrity and prevents exposure to contamination in underlying soil.

Maul Foster & Alongi, Inc. (MFA) has prepared this SMCMP on behalf of the Port for Port-owned properties at the former Pacific Wood Treating Co. (PWT) site in Ridgefield, Washington (Figure 1-1). The four Port properties are collectively referred to in this plan as the Property and are known separately as Port-owned portions of the Lake River Industrial Site (LRIS) (also known as Miller's Landing), the Railroad Avenue property, the Port Marina property, and the Railroad Overpass property (see Figure 1-2). Information pertaining to the soil management, cap description, and cap maintenance for the Railroad Overpass property is provided in a separate SMCMP (MFA, 2014). A wastewater treatment plant (WWTP) on the LRIS that is owned by the City of Ridgefield (the City) is not included in this plan's definition of the Property.

This SMCMP has been prepared in accordance with the requirements of Washington Administrative Code (WAC) 173-340-440 and related provisions of the November 2007 update of the Washington State Model Toxics Control Act (MTCA). This document addresses soil management procedures in the event of future development or any condition in which the protective cap is breached. This document will also address monitoring and maintenance procedures associated with the Property's protective cap.

1.1 Purpose of Soil Management and Cap Maintenance Plan

The purpose of this SMCMP is to provide guidance for all future property activities during which a breach of the protective cap could occur and to provide guidance for monitoring and maintenance associated with the protective cap.

1.2 Property Description

The Property is located in section 24, township 4 north, range 1 west of the Willamette Meridian, and consists of the following three areas:

- The LRIS encompasses approximately 40 acres and is located at 111 West Division Street, Ridgefield, Washington; see Figure 1-2. The LRIS is currently zoned for mixed waterfront use, but historically was zoned industrial. The LRIS comprises four areas designated as "Cells" (1, 2, 3, and 4) and the City WWTP.
- The LRIS is bordered to the east by the Burlington Northern-Santa Fe Railway (BNSF) railroad tracks. Cell 1 is bordered to the west and south by Cell 2 and to the north by the

City's WWTP. Cell 2 lies in the central portion of the LRIS and is bordered by Cell 4 and the Ridgefield National Wildlife Refuge to the north, by Cell 3 to the south, and by Lake River to the west. Cell 3 is bordered by Cell 2 to the north, Lake River to the west, and the Port Marina property and Mill Street to the south. Cell 4 is bordered by the Ridgefield National Wildlife Refuge to the west and north and the City WWTP and Cell 2 to the south.

- Currently, the City WWTP does not fall under the requirements of this SMCMP. The City WWTP lies within the Cell 2 boundary (see Figure 1-2); the requirements of this SMCMP would extend to the WWTP area in the event that (1) property ownership changed to Port ownership, or (2) development activities that disturb soil were conducted in this area.
- The Railroad Avenue property is east of Cell 3 and the BNSF railroad tracks. This property is bordered to the north, east, and south by residential areas.
- The Port Marina property is southwest of Cell 3 and is bordered to the west by Lake River, to the south by Mill Street, and to the north and east by Cell 3.
- The Railroad Overpass property is south of the Port Marina property and is bordered to the west and south by McCuddy's Marina and to the east by BNSF railroad tracks. As indicated above, a separate soil management plan was developed for this property (MFA, 2014).

2 PROJECT ROLES AND RESPONSIBILITIES

The roles and responsibilities for management of the Property are listed below. The individuals identified below may change, and it is the responsibility of the party performing work to obtain up-to-date information.

2.1 Port of Ridgefield

The Port is the current owner of the Property. As long as the Port holds ownership, the Port will be considered the generator of all wastes removed from the Property. If ownership of the Property changes, waste generation allocation will change to the current property owner. It is the Port (or current owner) that will ultimately determine whether excavated material is managed on site or off site, with the assistance and approval of the Washington State Department of Ecology (Ecology). The Port, as long as it is an owner of the Property, must maintain records as specified in Section 6.6 and must provide these records to any subsequent property owner. The current environmental projects manager is Penny Hughes, (360) 887-3873.

2.2 Maul Foster & Alongi, Inc.

MFA is the environmental consultant and engineer for the project. MFA has performed and will continue to perform technical analysis and evaluation of plans related to future development; conduct

sampling and evaluation of site activities, as necessary; documenting environmental conditions; and certify compliance with long-term monitoring and maintenance plans and this SMCMP. MFA will assist the Port with regulatory compliance and waste-handling determinations. Josh Elliott is the project engineer and can be reached at (503) 501-5236.

2.3 Washington State Department of Ecology

Ecology will continue to provide environmental oversight for future redevelopment projects that will encounter impacted site soil. The current Ecology project manager is Cam Penner-Ash, (360) 999-9590.

3 RESIDUAL CONTAMINATION IN SITE SOIL

There is residual soil contamination on the Property, beneath a protective cap. This soil may contain listed wood-preserving wastes from the former PWT operations, and will be referred to as impacted soil in the rest of this SMCMP. The indicator hazardous substances (IHSs) identified for the Property are listed below:

- Metals: arsenic and total chromium
- Polycyclic aromatic hydrocarbons (PAHs), including carcinogenic PAHs: 2-methylnaphthalene, acenaphthene, fluoranthene, fluorene, naphthalene, pyrene, benzo(a)pyrene
- Semivolatile organic compounds: dibenzofuran
- Volatile organic compounds: 1,1,2,2-tetrachloroethane, 1,2,4-trimethylbenzene, styrene
- Chlorinated phenolics: pentachlorophenol
- Petroleum hydrocarbons: diesel-range organics (diesel), residual-range organics (lube oil), gasoline-range organics (gasoline)
- Chlorinated dibenzo-p-dioxins and dibenzofurans (dioxins)

The tables in Appendices A (LRIS) and B (Railroad Avenue property/Port Marina property) show the results of all available soil analytical data for the respective sites. The naming convention in these tables corresponds to the soil sample labels shown in Figures 3-1, 3-2, and 3-3. The analytical results and corresponding figures can be referenced to understand the levels of contamination remaining on the Property at selected locations at the time of analysis. Figures 3-1, 3-2, and 3-3 also show the extent of soil excavated and removed for off-site disposal. The data provided in these appendices and figures show where there is known contamination. Figure 3-3 also shows areas where impacts were observed just below the constructed cap. Future work in areas where impacts were observed could require special care and proper protective equipment.

4 SOIL MANAGEMENT PROCEDURES

Before the start of work that will expose soil below the protective cap at the Property, a soil-handling work plan may be required by the Port. The soil-handling work plan should address the amount of soil cap to be worked or moved and where it will be staged; the quantities of soil disturbed below the cap; and where the soil will be placed on site, stockpiled, or disposed of. The work plan should show the original cap layout and the restoration of an equally protective cap, as applicable.

The following sections describe the general protocol for soil handling associated with specific construction conditions. Construction conditions other than those defined below will require evaluation on a case-by-case basis to establish a protocol. The following conditions may be encountered during standard site-development activities.

4.1 Protective Cap Soil

Depending on the type of project, construction activities may be limited to disturbance of the protective cap zone. Disturbances of the protective soil cap (i.e., above demarcation fabric) would not involve any special health and safety requirements (outside standard construction health and safety protocols). Care shall be taken to maintain cap integrity during construction activities taking place on the protective cap. If the protective soil cap is disturbed, reconstruction will be required. Ruts in the protective cap are to be filled with clean fill to avoid ponding. Grading or moving cap material from one location to another will not be permitted if it creates an area in the cap that does not meet the minimum thickness. Cap surface slopes must be maintained for adequate stormwater flow, and best management practices must be implemented to prevent erosion of cap material. Details on cap restoration are provided in Section 5.

4.2 Soil Beneath Cap

Soil beneath the cap is assumed to be impacted by wood-preserving waste. However, soil that, according to analytical results, does not contain any wood-preserving waste does not require placement with impacted soil on site or disposal off site. Documentation as to the source location, amount of soil, sampling procedures, laboratory analytical results, and data validation must be provided to Ecology before this soil can be used as or above the cap on the Property.

All construction activities that require excavation below the established or reconfigured cap (e.g., soil cap and demarcation fabric, pavement, concrete, building) and that will result in the disturbance of soil that may be impacted are required to comply with the protocol presented in this section. Impacted soil below the cap may be breached during general construction activities, including but not limited to the following: utility or stormwater conveyance construction, underground structure or building foundation construction, and general earthwork and earth-moving activities. Worker safety requirements pertaining to handling of impacted soil are provided in Section 6.2.

Soil above the demarcation fabric is clean fill. Should the soil cap become contaminated (e.g., contact or be mixed with soil from below the demarcation fabric), clean soil must be imported and used as replacement soil. Impacted soil beneath the demarcation fabric must be handled separately from the clean protective cap soil in order to:

- Avoid cross-contamination of clean protective cap soil.
- Allow reuse of the protective cap for soil cap restoration activities.
- Limit the amount of soil to be handled as impacted soil.
- Ascertain the disposal status of impacted soil.

Soil excavated below the demarcation fabric will be assumed to be a dangerous waste unless proven otherwise. Thus, the soil must be handled as dangerous waste and segregated from other soils. Impacted soil can be handled either by re-placing it with clean soil in the original excavation, by placing and capping at a new on-site location consistent with Ecology-approved cap options (Sections 4.2.1 through 4.2.3 and Section 5), or by off-site disposal.

The impacted soil that is generated from construction activities should not be placed directly on any portions of the clean soil cap, temporarily or otherwise. Impacted soil, regardless of where the soil is stored, should be placed on and covered by an impermeable liner at all times. Impacted soil can be stockpiled for up to 90 days without requiring a Resource Conservation and Recovery Act (RCRA) permit. A RCRA permit must be obtained to store impacted soil longer than 90 days.

When impacted soil is excavated, stockpiling should be limited to the extent possible. If soil must be stockpiled on top of the protective soil cap, then stockpiles of impacted soil should be placed as close to the excavation as possible and with the smallest footprint possible, and should be placed on and covered with an impermeable liner. The existing grade should be cleared of debris and any objects that have the potential to puncture the liner. A berm, constructed of imported or unimpacted site soil, compost socks, hay bales, sandbags, or equivalent material as approved by the supervising engineer, is to be installed along the perimeter of the impacted soil stockpile. The liner bottom and cover must extend up and over the perimeter berm so that there is no impacted-soil contact with precipitation or stormwater runoff. Impacted soil is to remain covered except when the stockpile is in use. It is imperative that mixing of impacted soil with cap soil be prevented. If impacted soil is released onto the cap surface, the impacted cap surface is to be removed and handled as impacted soil. Any soil cap that is removed must be replaced with a clean soil cap or other Ecology-approved cap.

When excavation activity is expected to go below the established cap, the demarcation fabric should be cut away from the boundary of the proposed excavation. To avoid creating a tear or gap in the fabric beyond the excavation area, the fabric may not be pulled or torn by excavation equipment at the boundary of the excavation. Replacement fabric will be overlapped with existing fabric to the extent possible to maintain a consistent fabric covering.

The current cap configurations, thicknesses, and materials for the Property are shown in Figure 4-1. Section 5 provides a more detailed description of cap restoration for each type of capping material. If activities on the Property are expected to result in handling of impacted soils in a manner inconsistent

with this plan or using a cap profile different from that previously approved, Ecology approval must be secured as described in Section 5.2.

4.2.1 Replacement at Original Excavation Location

Impacted soil placed into its original excavation (around foundations, pipes, or underground structures) should be compacted as directed in consultation with a geotechnical engineer. New demarcation fabric matching the existing fabric specifications shall be installed over the re-placed impacted soil where the fabric will not be covered by an impervious surface (impervious surfaces are in and of themselves the demarcation layer). The fabric should be installed to form continuous coverage with existing, adjacent fabric edges.

4.2.2 New Placement Location

If impacted soil cannot be placed in the original excavation, then the impacted soil may be used as backfill at other areas of the Property below an Ecology-approved cap. When impacted soil is slated for placement at a new location, it is expected that the impacted soil will be transferred directly to its new location if at all possible. Instances that may potentially warrant a new placement location include large excavations for subgrade, footing, or utility trenches. Upon Ecology approval of a new soil placement location (e.g., beneath landscaping area, roadbed, building structure, constructed staging area), the material must be capped consistent with minimum capping guidelines described in Section 5. If new capping profiles or material are proposed (other than those listed in Section 5), approval from Ecology will be required.

4.2.3 Off-Site Disposal

If impacted soil cannot be reused on the Property, then it must be disposed of appropriately at a licensed landfill. Prior to disposal, the soil must be tested by the methods outlined in the Sampling and Analysis Plan (SAP) (Appendix C). The disposal requirements will depend on analytical results, state and federal regulations in effect at the time of disposal, and disposal facility requirements.

4.2.3.1 Site Waste Codes

Historically, soil containing wood-preserving waste on the LRIS has fallen under the state's Dangerous Waste Regulations (WAC 173-303) and has been listed as waste subject to land disposal restrictions (WAC 173-303-140). Based on historical site activity, the following waste codes were determined to apply to soil from the site (Cells 1, 2, 3, and 4), depending on the type of contaminants present in the soil to be disposed of and the locations from which it was generated:

- Listed Waste code F032—Preservative drippage in soil that contains chlorophenolic wastes
- Listed Waste code F034—Preservative drippage in soil that contains creosote wastes
- Listed Waste code F035—Preservative drippage in soil that contains arsenic and chromium waste

- Listed Waste K001—Bottom sediment sludge from the treatment of wastewaters from wood-preserving processes that use creosote and/or pentachlorophenol

Waste code K001 is applicable to the LRIS only as the code relates to wastewater treatment. Based on the findings of a memorandum from MFA to Ecology, a copy of which is provided as Appendix D, the hazardous waste codes F032, F034, and F035 are not applicable to the soil that could be generated from areas outside the LRIS, including the Railroad Avenue and Port Marina properties. This determination was based on a U.S. Environmental Protection Agency document clarifying the management of remediated waste (USEPA, 1998). Based on these findings, any soil generated from the Railroad Avenue and Port Marina properties will not require any waste code designation.

4.2.3.2 Disposal

The two off-site disposal avenues for impacted soils on the LRIS are described below.

4.2.3.2.1 Contained-In Soil

If concentrations of wood-preserving waste are below the current and relevant MTCA soil cleanup levels (CULs), the soil may qualify for a contained-in determination by Ecology's Hazardous Waste and Toxics Reduction Section. Procedures for obtaining a contained-in determination are found on Ecology's Web site at: http://www.ecy.wa.gov/programs/hwtr/determinations/index.html. Soil with a contained-in determination can be disposed of off site at an Ecology-approved permitted disposal facility, e.g., a Subtitle D landfill.

4.2.3.2.2 CAMU-Eligible Waste

If waste levels in soil are above the current and relevant MTCA soil CULs, the soil may be disposed of off site, as a corrective action management unit (CAMU)-eligible waste, in a hazardous waste landfill. CAMU-eligible waste may be disposed of off site at a Subtitle C landfill.

A June 8, 2011, letter from Ecology to the Port documents Ecology's determination that contaminated soils from the PWT site are CAMU-eligible waste under the Dangerous Waste Regulations (Chapter 173-303 WAC). According to WAC 173-303-646920, these soils may be disposed of off site at a designated hazardous waste landfill, such as the Chemical Waste Management (CWM) facility in Arlington, Oregon. This determination applies to future off-site disposal of soils from the LRIS.

Federal regulations (40 Code of Federal Regulations [CFR] 264.555) outline requirements for approving placement of CAMU-eligible waste in an off-site landfill. Part 264.555(e) outlines the necessary procedures for public comment and regulatory approval at the off-site landfill before CAMU-eligible waste may be placed in the landfill. Because public and regulatory notice was provided by Ecology in 2011 for soils from the PWT site, public notice for continued off-site disposal of CAMU-eligible waste will have to be coordinated only with the Subtitle C disposal facility (e.g., the CWM Subtitle C landfill facility in Arlington, Oregon) and the regulatory authority (e.g., Oregon Department of Environmental Quality [DEQ]).

The CWM facility is permitted by the DEQ to accept CAMU-eligible waste. For each excavation activity generating a CAMU-eligible waste from the LRIS, CWM must request an additional permit modification from the DEQ; the request will include the source of the CAMU waste, its principal hazardous constituents, and the applicable treatment requirements. Public notice by CWM is also required (40 CFR § 264.555(d)-(e)). The DEQ may object to the off-site placement of CAMU-eligible waste within 30 days of CWM's notification (40 CFR § 264.555(e)(3)). CAMU-eligible wastes may not be placed in the landfill until the DEQ has notified CWM that the DEQ does not object to its placement.

WAC 173-303-646910(6), as referenced in WAC 173-303-636920, requires generators of CAMU-eligible waste that is disposed of at an off-site dangerous-waste landfill to comply with the reporting, tracking, and recordkeeping requirements of 40 CFR 286.7(a)(4). CAMU documentation is included in Appendix E. Dangerous-waste handling and transportation procedures and documentation must be followed throughout the CAMU disposal process.

4.2.3.2.3 Off-Property Disposal

If results are below the current and relevant MTCA ecological or human health CULs, then there are no special handling or disposal requirements. The soil may be used as clean soil cap if it is found to meet all other clean cap analytical requirements as described in the SAP found in Appendix C. The MTCA ecological CULs were established as the CULs for the Property. Calculation methods for ecological dioxin CULs are presented in the remedial investigation and feasibility study (RI/FS) (MFA, 2013). The CULs for human health should be evaluated at the time of soil characterization.

5 PROTECTIVE CAPS

The protective caps generally consist of soil at specific minimum thicknesses (see Figure 4-1 for an overview and the attached as-built drawings for more details). The protective caps also consist of gravel or asphalt for pedestrian paths and asphalt for Division Street improvements. The following section can be referenced as a minimum capping guideline if any of the protective caps have been removed or altered as a result of redevelopment activities. New capping material and/or thickness may also be proposed for Ecology's approval. If new capping profiles or material (i.e., other than what is listed below) are proposed, approval from Ecology will be required. To expedite review, Ecology should be notified well in advance of development of the proposed capping profile or material changes; see Section 5.2.

5.1 Cap Description

In accordance with recommendations from Ecology and the findings of the final RI/FS (MFA, 2013), the soil cap profiles have been designed to ensure the appropriate degree of protection for ecological and human receptors from the contamination that remains on the Property. The following describes the current (post-remedial) cap conditions:

- Cell 1 has a minimum 2-foot-thick soil cap (see Figure 4-1), with grading to direct stormwater flow to the ditch.
- Most of Cell 2 is covered with either a 2-foot-thick or a 3-foot-thick soil cap (see Figure 4-1). Areas of the 3-foot-thick soil cap are along the western transition to the bank slope. In addition, portions of the Cell 2 cap consist of a gravel access road (24 inches of crushed base rock over demarcation fabric); a pedestrian trail composed of gravel (3 inches of crushed base rock over 3-foot-thick soil cap); and an asphalt hard trail (2.5 inches of asphalt and 6 inches of crushed base rock), which is also intended for pedestrian use.
- Cell 3 consists of a minimum 2-foot-thick soil cap in some areas and a minimum 3-foot-thick soil cap in other areas, similar to the configuration of Cell 2 (see Figure 4-1), and with a narrow, 1-foot-thick soil cap tapering to meet the elevation of the Port Marina property. Cell 3 also consists of the Division Street and Pioneer Street improvements, which include a minimum of 14 inches of crushed base rock and 5 inches of asphalt; a continuation of the pedestrian hard trail of Cell 2 (6 inches of crushed base rock under 2.5 inches of asphalt over a minimum 2-foot-thick soil cap); and a Cell 3 gravel access road, which consists of a minimum of 8 inches of crushed base rock over 16 inches of soil, over demarcation fabric (see Figure 4-1).
- Cell 4 consists of a minimum 2-foot-thick soil cap and a pedestrian trail cap over impacted soil (see Figure 4-1). The pedestrian trail consists of 6 inches of crushed base rock and 2.5 inches of asphalt.
- The Railroad Avenue property is covered with a minimum 2-foot-thick soil cap (see Figure 4-1).
- The Port Marina property is capped with 2 inches of asphalt pavement, with a portion of soil cap along the northern and eastern boundaries.

5.1.1 Soil Cap Requirements

Imported soil to be used as clean capping material will require approval from Ecology, and will follow guidelines that include, but are not limited to, the following:

- The owner of the proposed fill material must hire a qualified environmental professional to obtain representative samples of the proposed fill material for laboratory analysis. The engineer and/or environmental professional will conduct sampling in accordance with the SAP provided in Appendix C.
- The final determination for acceptance of clean soil will be made at the discretion of the Port in consultation with Ecology. The SAP provided in Appendix C will guide decision making.

5.2 New Cap Construction

The following are Ecology-approved cap options.

Table
Capping Options

Type of Use	Typical Section
Landscaping/green space <2 feet soil	Geotextile as demarcation; no landscaping; impermeable surface required (e.g., pavement, impermeable liner to prevent infiltration, buildings)
2 to 3 feet soil or gravel	Geotextile as demarcation layer; ground cover as outlined in the TEE (MFA, 2013); gravel surfaces, or additional as approved by Ecology; any grasses
3 to 6 feet soil or gravel	Geotextile as demarcation layer; shrubs or trees as outlined in TEE (MFA, 2013); gravel surfaces, or additional as approved by Ecology; any grasses
>6 feet soil	No geotextile and no vegetation planting restrictions
Parking	Impermeable surface (min. thickness 3 inches) with clean subbase as necessary for construction
Building/structure	Slab-on-grade (min. thickness 3 inches) with subbase as necessary for construction
Sidewalk/pathway	Impermeable surface (min. thickness 2.5 inches) with clean subbase as necessary for construction or gravel surface with minimum 2 feet clean fill
NOTE: TEE = terrestrial ecological evaluation.	

If, as part of redevelopment of the Property, the cap types and/or configuration require alteration, the following Ecology notification/approval process will take place. Ecology must be provided notice that alternate cap types/configuration are under consideration. Ecology will endeavor to review the request and provide approval or request additional information or analysis within 30 days. Construction of the alternate cap/types or configuration will not take place until receipt of Ecology approval.

5.2.1 Geotextile

All new soil cap construction will first require replacement (or new placement) of a geotextile (SKAPS GT-160 Nonwoven Geotextile™ or equivalent, specifications provided in Appendix F), which will allow infiltration of surface water and will not create a hydraulic barrier. The geotextile should be placed over a smooth, prepared surface. The geotextile fabric is to serve as a delineation boundary between potentially impacted native soil and the overlying clean protective cap, and also will serve as a barrier limiting burrowing of potential ecological receptors. The presence of the fabric will alert subsequent developers when contact with impacted material could occur, and therefore when specific protocols are to be followed.

5.2.2 Vegetation

Vegetation requirements vary, depending on location; see Figure 5-1. For most of the upland area, the vegetation should be restored according to the direction provided in the terrestrial ecological

evaluation (TEE) report, provided in the final RI/FS (MFA, 2013) and summarized here. The site-specific TEE was performed following the procedures of WAC 173-340-7490 and WAC 173-340-7493. The planting list is included as Appendix F. Areas of 2-foot-minimum cap thickness are to be planted with grasses and vegetation that have shallow root systems. Shallow-rooted trees, shrubs, and grasses are allowed in areas of 3-foot-minimum cap thickness. A plan view delineating the original 2-foot-thick and 3-foot-thick soil cap areas is provided in Figure 4-1. Restoration of vegetation should comply with the approved plant list in Appendix F.

The Lake River riparian area (see Figure 5-1) has more specific vegetation requirements in select subareas. The vegetation in these subareas serves as mitigation associated with the Lake River remedy. Therefore, maintenance and monitoring is a requirement of the U.S. Army Corps of Engineers 401/404 permit requirements (see Appendix G).

5.2.3 Asphalt Cap Construction

Certain portions of the Property currently employ asphalt as capping material. Any restored or new asphalt capping material should match the existing asphalt material and site-specific specifications, or Washington State Department of Transportation (WSDOT) specifications for subgrade, base rock, density, and compaction, whichever is most appropriate.

5.2.4 Gravel Cap Construction

A gravel cap may be employed. Gravel is currently used on site for pedestrian and vehicular access. Gravel should be specified according to standards already established for the Property, WSDOT standards, or as directed by an engineer.

5.2.5 Other Capping Material

Other capping material that may be used includes impermeable surfaces such as building foundations and footings and concrete surfaces or structures. If surfacing materials other than those listed in the table above are desired as part of future redevelopment activities, Ecology's approval is required.

6 SITE CONTROLS

The generation of impacted soil triggers the requirement to implement specific site controls. These controls are required in order to protect the adjacent environment and reduce potential exposure of the nearby public to the impacted soil material that remains capped at the Property.

6.1 Fencing and Signage

In the event of redevelopment activities that generate impacted soil, fencing should be maintained in order to restrict public access to areas of the Property that are no longer contained by a cap. Signage shall be posted on the fencing separating the public from uncapped areas.

6.2 Worker Health and Safety

All future redevelopment activities that penetrate the cap, and that thereby generate impacted soil, are to be conducted according to WAC 173-340-810; the Occupational Safety and Health Act (OSHA) of 1970 (29 U.S. Code Sec. 651 et seq.); the Washington Industrial Safety and Health Act (Chapter 49.17 Revised Code of Washington); and relevant regulations. The developer will be required to prepare a health and safety plan before beginning work; this plan should be available for review by the Port and Ecology by request. The health and safety plan shall, at a minimum, set forth the requirements and protections for working in areas containing soil that may be chemically impacted, and shall include the following:

- Current Hazardous Waste Operations and Emergency Response (HAZWOPER) certification for workers disturbing impacted soil
- IHSs and site background
- Personal protective equipment
- Personal hygiene and decontamination protocols
- Medical surveillance
- Hazard communication and site control
- Recordkeeping and reporting

6.2.1 Qualified Personnel

The developer will retain a contractor that will complete the development work in compliance with OSHA regulations (29 CFR § 1910.120 and § 1926.65); workers in any area of the Property that is temporarily uncapped during construction and those who will come in contact with impacted soil must be qualified personnel. The qualified personnel must have received the HAZWOPER standard 40-hour training and/or received refresher training in the past year. Managers and supervisors directly overseeing the working crew must have received an additional eight hours of specialized training in hazardous-waste management supervision.

6.3 Land Use Restrictions

The environmental covenant for the Property provides additional land use restrictions, and should be referenced and complied with when a new proposed land use is considered. Because impacted soil

remains on the Property, there may be limitations to specific land uses and requirements associated with development.

6.4 Hazard Communication

Appropriate training must be provided for personnel who will come in contact with hazardous waste. Additionally, all hazardous-waste and/or waste containers must be labeled consistent with 29 CFR § 1910.1200.

All contractors doing work on site must be provided this SMCMP before initiating work.

6.5 Notification and Reporting

Ecology approval must be obtained prior to alteration of approved cap types and/or configuration. As indicated in Section 5.2, Ecology must be provided notice that alternate cap types/configuration are under consideration. This notice should be provided well in advance of development to allow time for the approval process. Ecology will endeavor to review the request and provide approval or request additional information or analysis within 30 days. Construction of the alternate cap/types or configuration will not begin until receipt of Ecology approval.

The contractor shall maintain weekly reports of field activities during any active construction that disturbs soil or other cap material on the Property. The Port will prepare or oversee the preparation of a project completion report to document the management of impacted soil for each project for which such work is conducted. The report will document the management techniques used and approximate volumes of materials handled, and will provide placement or disposal information, disposal manifests, and analytical data generated during management of the impacted material. The contractor weekly reports and project completion reports will be maintained by the Port in a cap monitoring and construction master file.

6.6 Recordkeeping

The Port and any subsequent property owner must maintain records documenting the following:

- On-site placement of excavated soil, including delineation of the disposal areas and estimated volumes
- Off-site disposal of excavated soil, including waste characterization, shipping manifests, and disposal certificates
- Cap breach reports, including where the cap was breached, methods for replacement, figures showing areas of cap disturbance, materials used, and any analytical results

7 PROTECTIVE CAP MONITORING AND MAINTENANCE

The protective cap requires regular and routine inspection to evaluate and maintain its integrity. Monitoring and, if required, maintenance should be conducted annually, at a minimum. This will provide an opportunity to correct small, localized failures before they become larger, more detrimental failures. In addition to annual inspection, an inspection is to take place after a large natural disaster occurs in close proximity to the Property, or after any other large-scale disturbance occurs near or at the Property. As the cap is the main barrier of protection between remaining impacted soil and human and ecological receptors, it is imperative that the cap maintain its intended integrity. This section outlines the monitoring and inspection procedure for each of the protective capping materials.

Monitoring personnel should complete the worksheet provided in Appendix H. The purpose of the monitoring event is to document current conditions of capping materials and structures. The documentation can be used as a reference in evaluating the severity of cap degradation, if any, to determine if corrective action is required. Ecology will be provided a report within 30 days of the inspection, recording the condition of the cap and any changes to the cap that would impair its performance.

7.1 Soil Cap Inspection

All observations recorded (using the worksheet in Appendix H) should be accompanied by photographs documenting the following, which are the minimum observation and monitoring requirements per soil cap inspection:

- Overall cap condition
- Visible rills or gullies
- Evidence of stormwater ponding or concentrated flow
- Exposed demarcation fabric

7.2 Asphalt Cap Inspection

All recorded observations should be accompanied by photographs documenting the following, which are the minimum observation and monitoring requirements per inspection of all asphalt caps at the LRIS site:

- Overall cap condition
- Evidence of cracking, buckling, or subgrade shifting
- Observed alligatored areas (areas with numerous intersecting cracks)
- Exposed demarcation fabric

7.3 Gravel Cap Inspection

All recorded observations should be accompanied by photographs documenting the following, which are the minimum observation and monitoring requirements per gravel cap inspection:

- Overall cap condition
- Visible rills or gullies
- Visible surficial cutting as a result of concentrated stormwater flow
- Exposed demarcation fabric

7.4 Vegetation Inspection

Vegetation inspection requirements vary, depending on location; see Figure 5-1. For most of the upland area, the inspection for vegetation should be qualitative and quantitative. The following lists the minimum observation and monitoring requirements per inspection of site vegetation:

- Overall vegetation condition
- Overall vegetation percent coverage
- Areas of unestablished or failing vegetation
- Areas of dead or dying vegetation
- Observance of invasive species

For the Lake River riparian area, inspections must follow the requirements provided in Appendix G.

7.5 Corrective Action

Corrective action will be implemented for caps and vegetation. If evidence of erosion or failure is observed in any of the abovementioned caps, the person conducting the inspection and reporting should consult with an engineer familiar with cap materials and structures. The engineer may decide that additional analysis or observation is necessary in order to determine if the damage will reduce the effectiveness of the protective cap. Corrective action will be evaluated on a case-by-case basis according to the type and/or severity of damage and the urgency. The following should be conducted in order to document damage and to evaluate a proposal for corrective action:

1. Engineer's internal review of inspection reports and photographs
2. Site visit by the engineer to review damage
3. Additional measurement or analysis (survey, sample collection, or analysis)
4. Consultation with Ecology regarding the damage or deterioration and the engineering assessment (within 48 hours of the discovery of damage)
5. Proposal for repair prepared by the engineer (if determined necessary)
6. Obtaining and supervising a contractor completing repair work

7. Repairing the damage and submitting a report documenting the work to Ecology within 30 days of completing the repairs

With regard to vegetation, corrective action requirements vary, depending on location; see Figure 5-1. For most of the upland area, replacement of vegetation is generally appropriate. For the Lake River riparian area (see Figure 5-1), vegetation must meet the requirements provided in Appendix G.

7.6 Soil Cap Maintenance

Soil cap maintenance will be conducted based on the findings of the annual monitoring report. If areas of the soil cap have eroded, maintenance to replace the eroded areas with soil and vegetation will be required. This may require additional seeding and/or planting. See also Section 7.9, Vegetation Maintenance.

7.7 Asphalt Cap Maintenance

Asphalt cap maintenance should be performed if evidence of cracking or buckling is observed. Areas that show these failures shall be maintained by the application of a corrective patch of asphalt. Areas of failure larger than 100 square feet shall be entirely removed and replaced with 2.5 inches of asphalt (or to match existing thickness). All observed alligatored areas larger than 100 square feet shall be removed and replaced with asphalt 2.5 inches thick or matching existing thickness. Smaller alligatored areas may be repaired as cracks.

7.8 Gravel Cap Maintenance

If erosion or gullies are observed, then gravel maintenance is required. All areas of failure should be restored to their original thickness. The gravel cap should also be monitored for maintenance following an event or condition that causes an observed deterioration or change in the gravel cap. For example, use of heavy equipment over the gravel cap may displace or degrade areas of the cap. General smoothing or repair of notable depressions, holes, etc., should be completed as soon as possible after the deterioration is observed.

The gravel cap should also be maintained against invasive vegetation, consistent with the soil cap maintenance. Similar procedures should be followed to remove and prevent regrowth of invasive vegetation.

7.9 Vegetation Maintenance

All vegetated areas should include a survey for invasive species as part of the routine maintenance. An attempt shall be made to eliminate observed invasive species, such as Himalayan blackberry and reed canary grass.

For the Lake River riparian area (see Figure 5-1), vegetation maintenance must meet the requirements provided in Appendix G.

LIMITATIONS

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

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

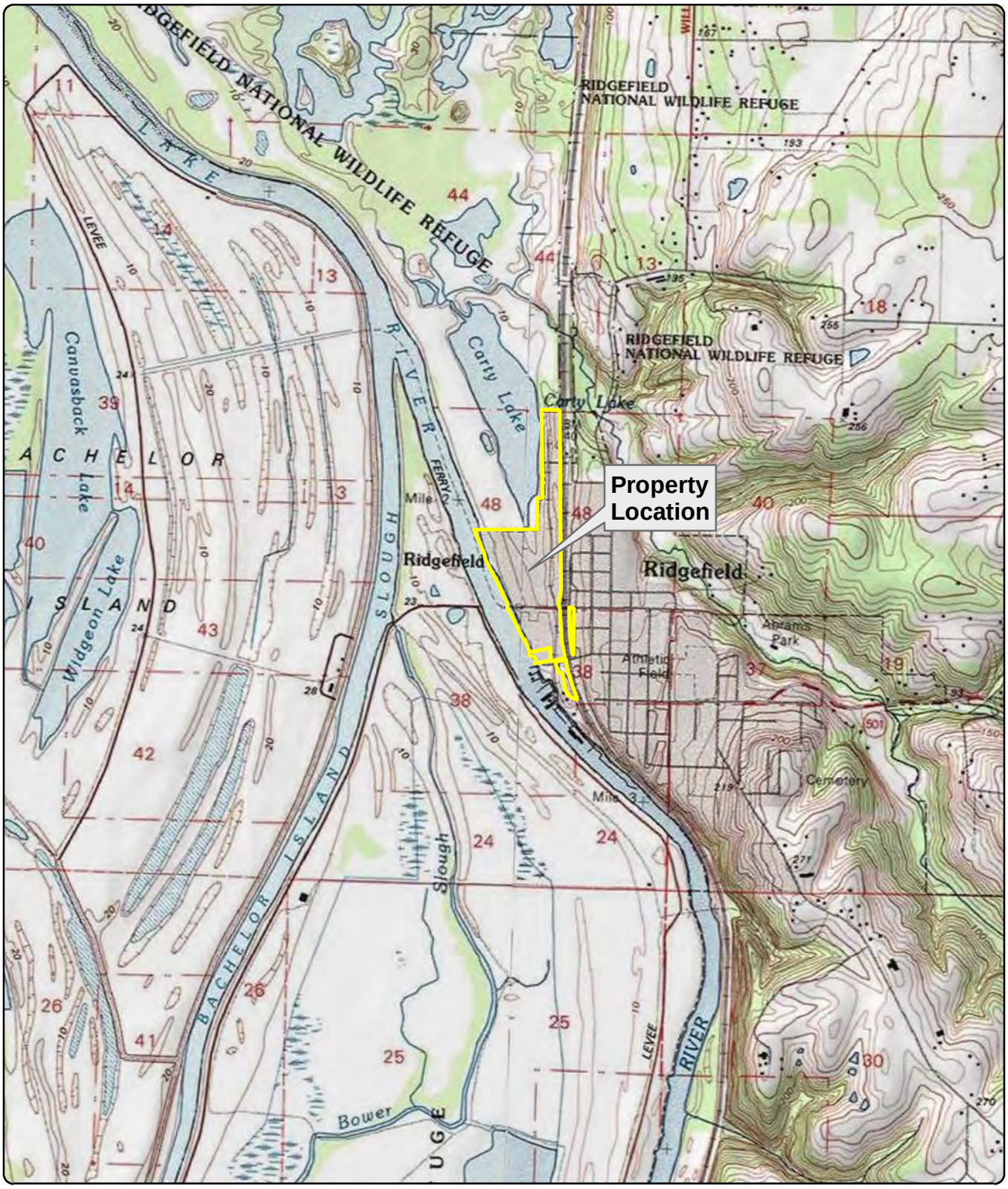
REFERENCES

MFA. 2013. Final former PWT site remedial investigation and feasibility study. Former Pacific Wood Treating Co. site. Prepared for the Port of Ridgefield. Maul Foster & Alongi, Inc. July 1.

MFA. 2014. Soil management and cap maintenance plan, railroad overpass property. Prepared for the Port of Ridgefield. Maul Foster & Alongi, Inc., Vancouver, Washington. May 9.

USEPA. 1998. Management of remediation waste under RCRA. EPA530-F-98-026. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. October 14.

FIGURES



Address: Lake River Industrial Site
111 W. Division Street, Ridgefield, WA 98642
Source: USGS (1990) 7.5 Minute Topo Quads:
Saint Helens & Ridgefield
Section 24, Township 4N, Range 1W of Willamette Meridian

Legend

Property Location

Figure 1-1
Property Location

Port of Ridgefield
Ridgefield, Washington

0 990 1,980
Feet

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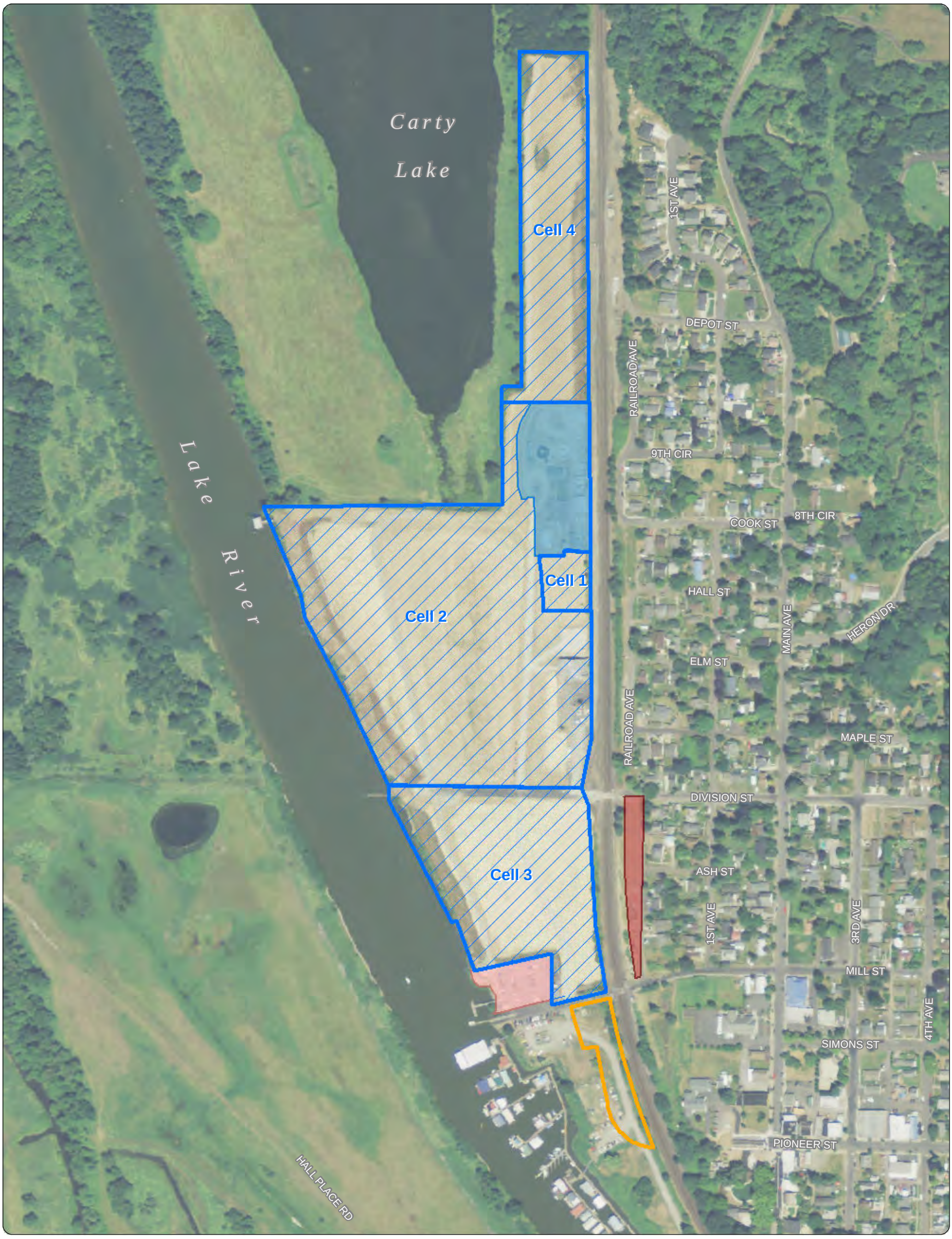
File: X:\9003.01 Port of Ridgefield\43\Projects\Fig1-1_Site Location.mxd
Print Date: 09-01-2009
Approved By: A. Hughes
Produced By: R. Maronn
Project: 9003.01.43/00



Source: Aerial imagery (2013) obtained from National Agriculture Imagery Program (NAIP).

Notes:
1. LRIS = Lake River Industrial Site
2. WWTP = Wastewater Treatment Plant

Legend

LRIS
- Cell Boundary
- City of Ridgefield WWTP
- Port-owned portions of LRIS
- Railroad Overpass Property
- Railroad Avenue Property
- Port Marina Property

Figure 1-2
Property and Site Overview

Port of Ridgefield
Ridgefield, Washington

0 175 350
Feet

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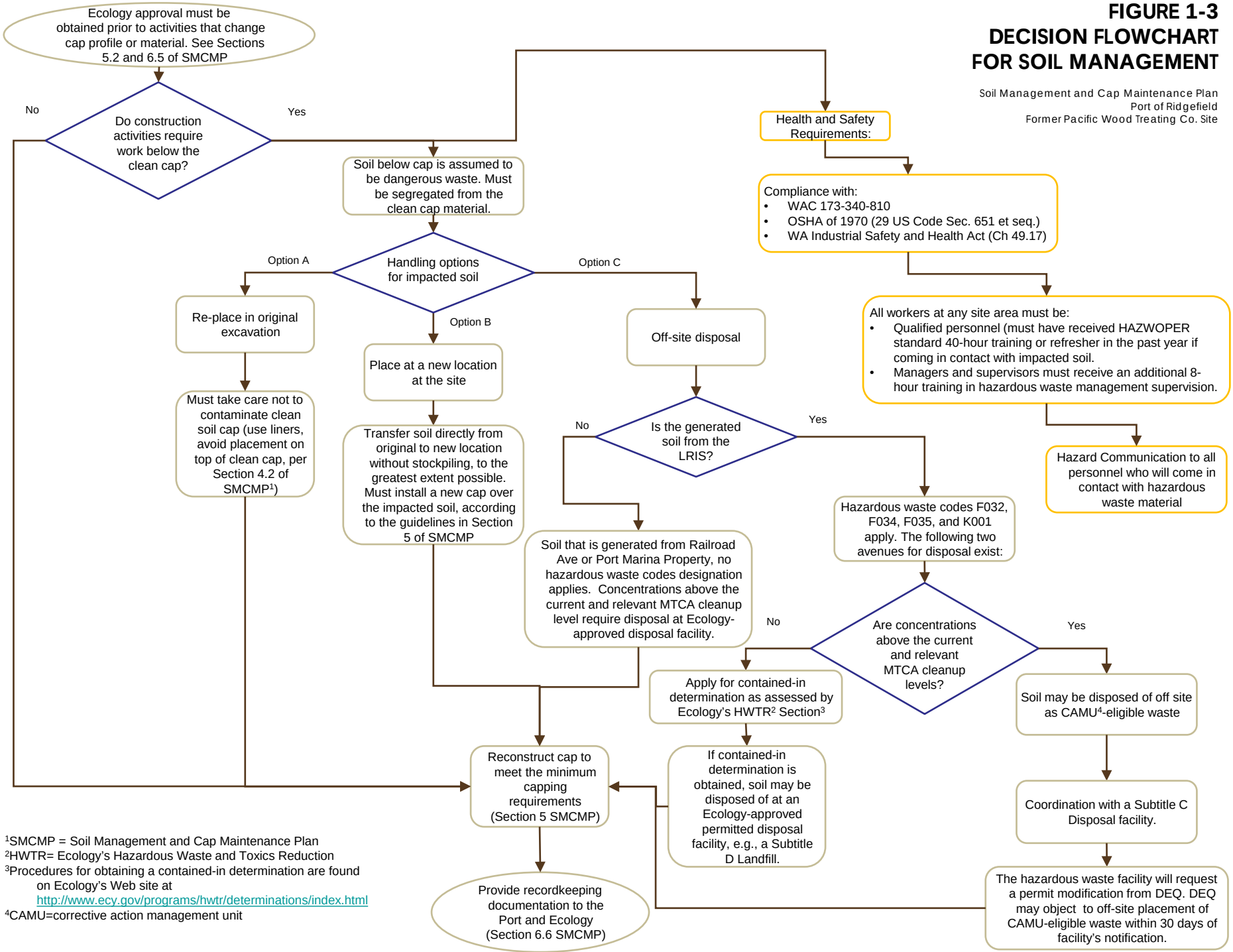
Print Date: 2/28/2014
Approved By: lovelar
Produced By: jschane
Project: 9003.01.49

FIGURE 1-3
DECISION FLOWCHART FOR SOIL MANAGEMENT

Soil Management and Cap Maintenance Plan
Port of Ridgefield
Former Pacific Wood Treating Co. Site



[1]SMCMP = Soil Management and Cap Maintenance Plan
[2]HWTR= Ecology's Hazardous Waste and Toxics Reduction
[3]Procedures for obtaining a contained-in determination are found on Ecology's Web site at http://www.ecy.gov/programs/hwtr/determinations/index.html
[4]CAMU=corrective action management unit

Figure 3-1
Cell 3, Port Marina, and Railroad Avenue Soil Sample Locations and Excavation Extents

Port of Ridgefield
Ridgefield, Washington

Legend

- Port Marina Soil Sample
- Soil Boring
- Surface Soil Sample
- Test Pit
- Monitoring Well
- Decommissioned Monitoring Well
- Soil Excavation Extent
- Cell Boundary
- Railroad Avenue Property
- Port Marina Property

Note:
1. Soil sample locations are approximate.

0 50 100
Feet

Source: Aerial imagery (2013) obtained from National Agriculture Imagery Program (NAIP).

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Path: X:\9003.01 Port of Ridgefield\49\Projects\POR RIFS Feb 2012\SMCMP\Fig3-1_Cell 3, Port Marina, and Railroad Avenue Soil Sample Locations and Excavation Extents.mxd
Print Date: 2/28/2014
Approved By: lovelar
Produced By: jschane
Project: 9003.01.49-01

Source: Aerial imagery (2013) obtained from National Agriculture Imagery Program (NAIP).

Legend

- Soil Boring
- Surface Soil Sample
- Test Pit
- Soil Excavation Extent
- Cell Boundary

Figure 3-2
Cell 4 Soil Sample Locations and Excavation Extents

Port of Ridgefield
Ridgefield, Washington

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0 60 120
Feet

Project: 9003.01.49-01
Produced By: jschane
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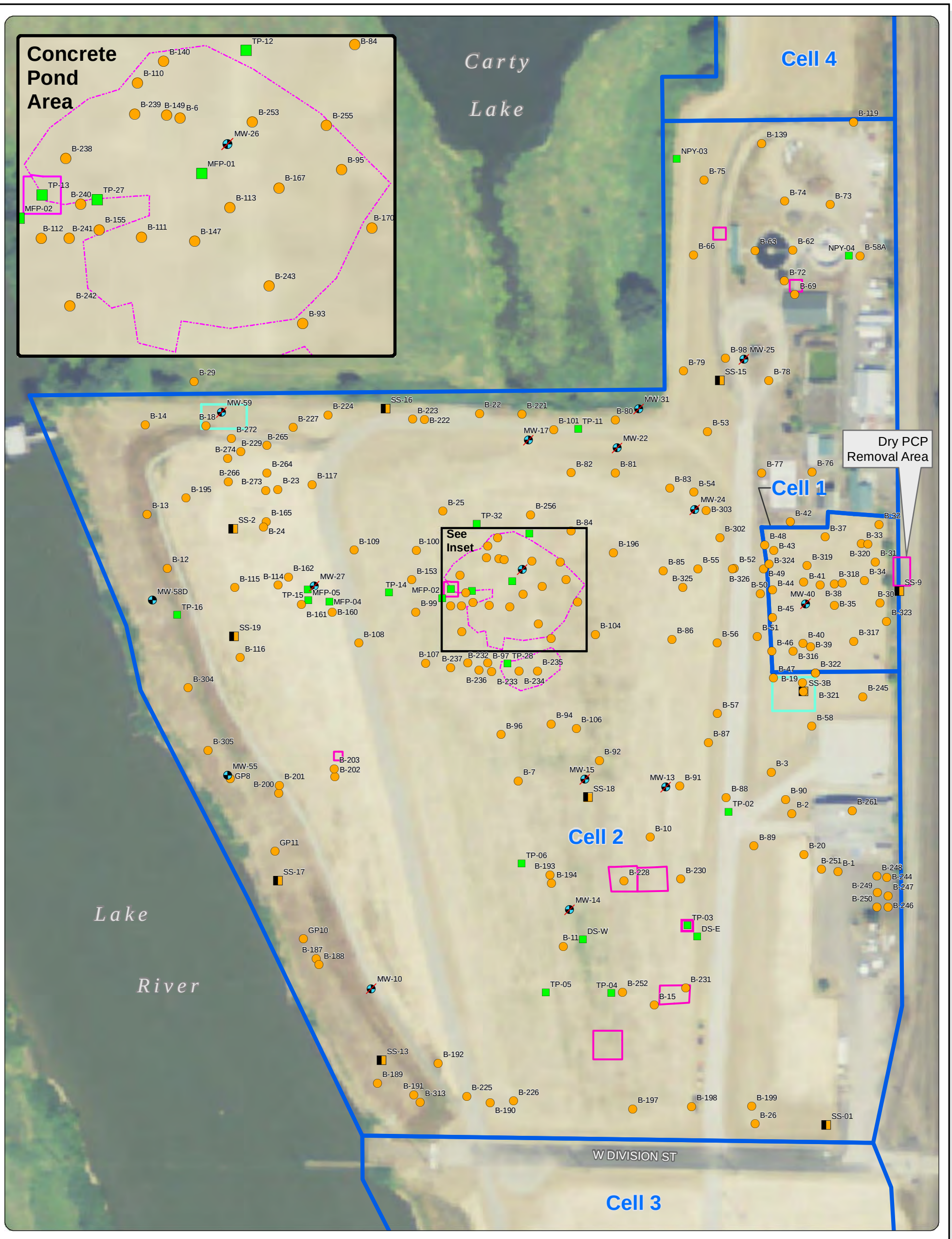

Source: Aerial imagery (2013) obtained from National Agriculture Imagery Program (NAIP).

Note:
1. NAPL = nonaqueous-phase liquid.

Legend

- Soil Boring
- Surface Soil Sample
- Test Pit
- Monitoring Well
- Decommissioned Monitoring Well
- Impacts Observed Below Constructed Cap
- Soil Excavation Extent, Impacts Observed
- Soil Excavation Extent
- Cell Boundary

Figure 3-3
Cells 1 & 2 Soil Sample Locations and Excavation Extents

Port of Ridgefield
Ridgefield, Washington

0 65 130
Feet

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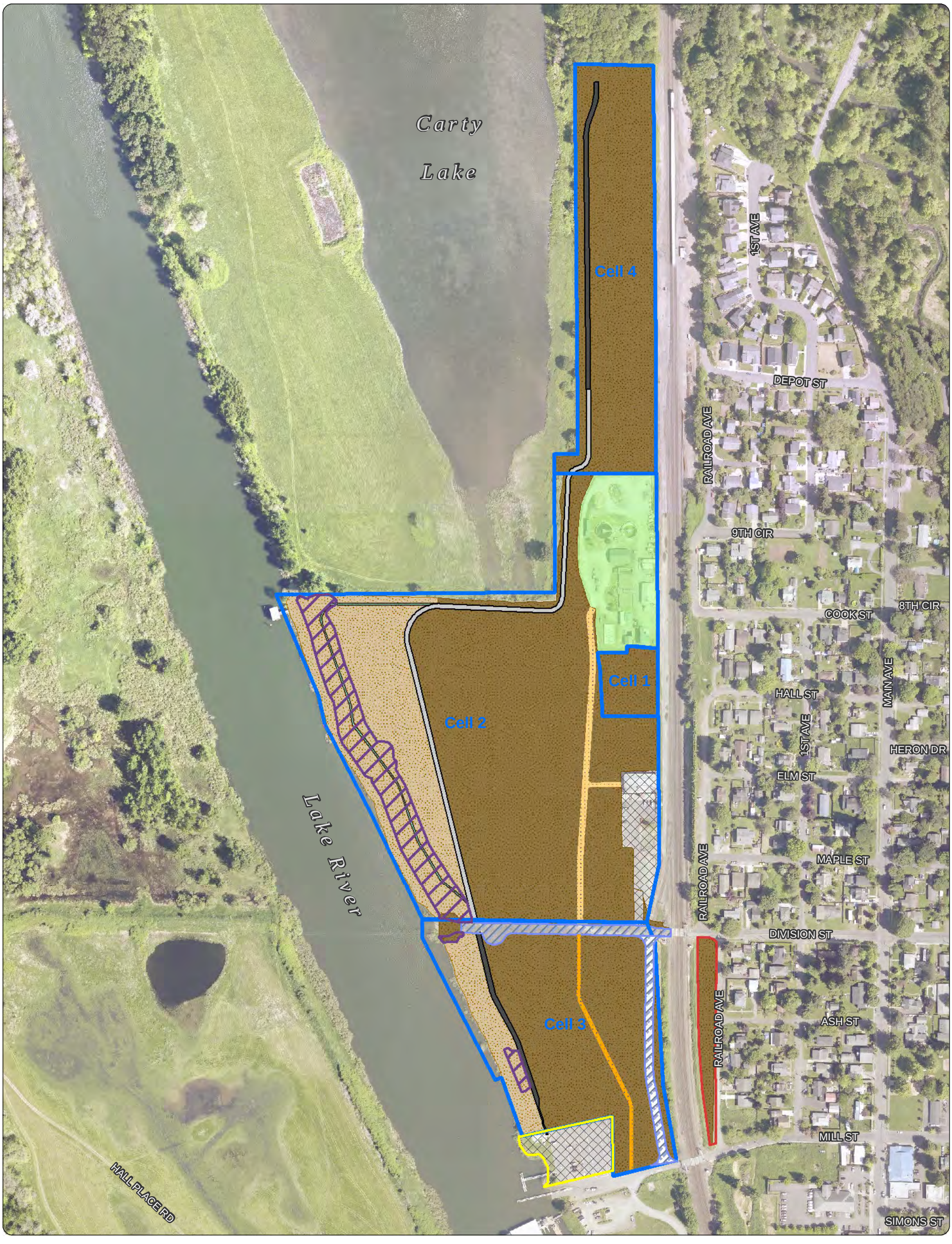

Source: Aerial imagery (2014) obtained from Clark County GIS.

Note: WWTP = wastewater treatment plant

- Port of Ridgefield Cell Boundaries
- Railroad Avenue Property
- Port Marina Property (Existing Asphalt)
- WWTP
- Asphalt Cap and Building
- 2' Soil Cap
- 3' Soil Cap
- Division & Pioneer Streets (Minimum 5" Asphalt, 14" Crushed Base Rock, and Demarcation Fabric over the existing subgrade)
- Mitigation Planting Outline
- Hard Trail (6" Crushed Base Rock, 2.5" Asphalt over 24" Soil Cap (min))
- Hard trail (6" Crushed Base Rock, 2.5" Asphalt over impacted soil)
- Soft Trail (3" Crushed Base Rock over 36" Soil Cap (min) over Demarcation Fabric)
- Cell 2 Gravel Access Road (2' Crushed Base Rock over Demarcation Fabric)
- Cell 3 Gravel Access Road (8" Crushed Base Rock over 16" of Soil Cap over Demarcation Fabric)

Figure 4-1
Final Cap Overview

Port of Ridgefield
Ridgefield, Washington

0 150 300
Feet

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Print Date: 5/14/2015
Approved By: lovelar
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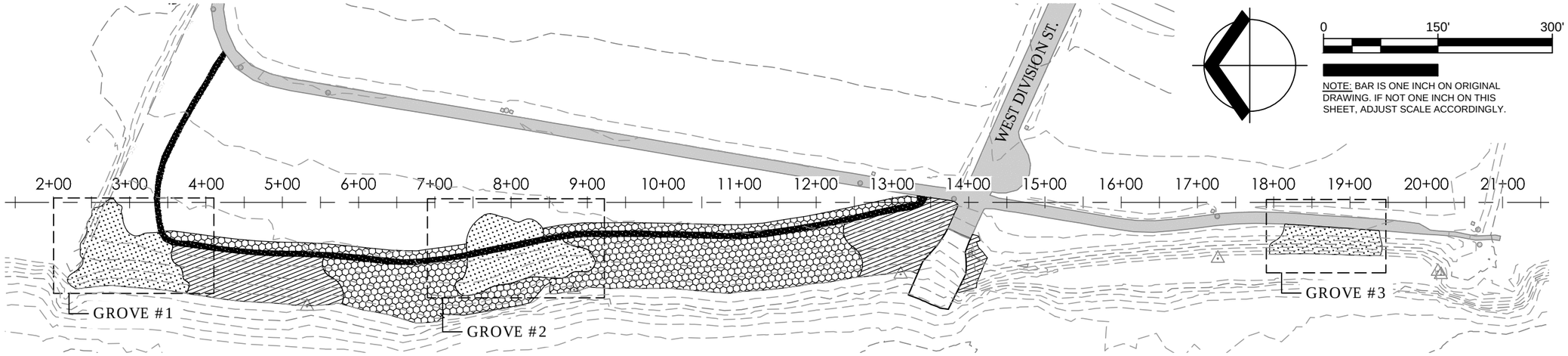
Project: 9003.01.49/01



PLANT MATERIAL SCHEDULE

TREES AND SHRUBS

TOTAL QTY	GROVE #1 QTY	GROVE #2 QTY	GROVE #3 QTY	COMMON NAME	BOTANICAL NAME	SIZE	SPACING
4	2	2	0	DOUGLAS FIR	PSEUDOTSUGA MENZIESII	5 GAL	PER PLAN
4	2	1	1	WESTERN RED CEDAR	THUJA PLICATA	5 GAL	PER PLAN
4	1	2	1	OREGON ASH	FRAXINUS LATIFOLIA	1.5" CAL	PER PLAN
7	1	4	2	BITTER CHERRY	PRUNUS EMARGINATA	1.5" CAL	12'-0", O.C.
13	5	5	3	CHOKECHERRY	PRUNUS VIRGINIANA	1.5" CAL	12'-0", O.C.
10	5	3	2	PACIFIC WILLOW	SALIX LASIANDRA	1 GAL	12'-0", O.C.
4	1	3	0	SCOULER'S WILLOW	SALIX SCOULERIANA	1 GAL	12'-0", O.C.
70	33	25	12	PACIFIC NINEBARK	PHYSOCARPUS CAPITATUS	1 GAL	6'-0", O.C.
91	40	36	15	RED TWIG DOGWOOD	CORNUS SERICEA	1 GAL	5'-0", O.C.
190	66	91	33	SNOWBERRY	SYMPHORICARPOS ALBUS	1 GAL	4'-0", O.C.
125	36	59	30	R.F. CURRANT	RIBES SANGUINEUM	1 GAL	4'-0", O.C.
139	58	51	30	DOUGLAS' SPIRAEA	SPIRAEA DOUGLASII	1 GAL	4'-0", O.C.
248	88	96	64	NOOTKA ROSE	ROSA NUTKANA	1 GAL	3'-0", O.C.
94	48	27	19	BALDHIP ROSE	ROSA GYMNOCARPA	1 GAL	3'-0", O.C.

SEED MIXES

UPLAND UNDERSTORY MIX		% BY WEIGHT
IDAHO FESCUE	FESTUCA IDAHOENSIS	30 %
BLUE WILD RYE	ELYMUS GLAUCUS	25 %
ROEMER'S FESCUE	FESTUCA ROEMERI	10 %
CALIFORNIA BROME	BROMUS CARINATUS	10 %
CA OATGRASS	DANTHONIA CALIFORNICA	10 %
SLENDER HAIRGRASS	DESCHAMPSIA ELONGATA	5 %
MEADOW BARLEY	HORDEUM BRACHYANTHERUM	5 %
OREGON SUNSHINE	ERIOPHYLLUM LANATUM	2 %
COMMON CAMAS	CAMASSIA QUAMASH	2%
SMALL LUPINE	LUPINUS POLYCARPUS	1%

GRASSLAND MIX		
MEADOW BARLEY	HORDEUM BRACHYANTHERUM	35 %
CALIFORNIA BROME	BROMUS CARINATUS	30 %
NATIVE RED FESCUE	FESTUCA RUBRA RUBRA	20 %
CA OATGRASS	DANTHONIA CALIFORNICA	5 %
TUFTED HAIR GRASS	DESCHAMPSIA CAESPITOSA	5 %
WOOLY SUNFLOWER	ERIOPHYLLUM LANATUM	3 %
PINE BLUEGRASS	POA SCABRELLA	2 %

ECO GRASS MIX		
NATIVE RED FESCUE	FESTUCA RUBRA RUBRA	45 %
CA OATGRASS	DANTHONIA CALIFORNICA	25 %
SHEEP FESCUE	FESTUCA OVINA	20 %
WESTERN YARROW	ACHILLEA MILLEFOLIUM	7 %
WHITE CLOVER	TRIFOLIUM REPENS	3 %

NOTES:
1. ALL PLANTING LOCATIONS SHOWN ARE APPROXIMATE.
2. ANY VEGETATION THAT IS REMOVED SHALL BE REPLACED IN LIKE KIND.

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MFA JOB #: 9003.01.40
ISSUE DATE: 05/13/2015
CHECKED: J. ELLIOT
DRAWN: C. RILEY

MITIGATION PLANTING PLAN
LAKE RIVER REMEDIAL ACTION
PORT OF RIDGEFIELD
RIDGEFIELD, WA

FIGURE 5-1

DRAWINGS

LRIS COMPLETION REPORT RECORD DRAWINGS

PREPARED FOR:

PORT OF RIDGEFIELD

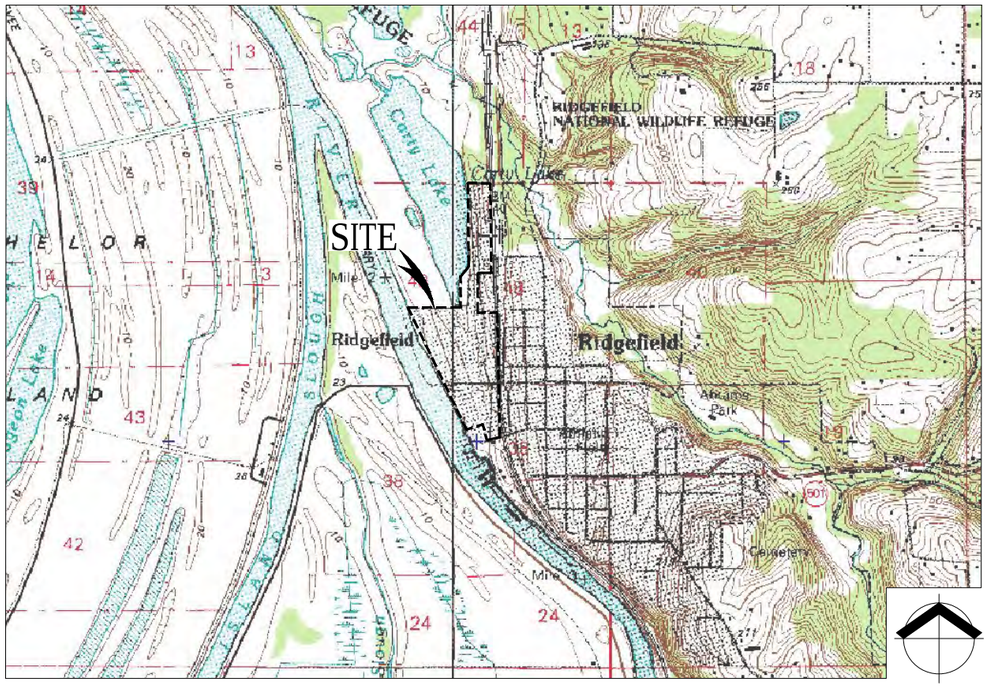
FORMER PACIFIC WOOD TREATING CO. SITE - RIDGEFIELD, WASHINGTON

GENERAL LEGEND

- BUILDING FOOTPRINT
- SUBGRADE MAJOR (5 FT) CONTOUR ELEVATION LINE
- SUBGRADE MINOR (1 FT) CONTOUR ELEVATION LINE
- FINISHED GRADE MAJOR (5 FT) CONTOUR ELEVATION LINE
- FINISHED GRADE MINOR (1 FT) CONTOUR ELEVATION LINE
- PROPERTY LINE (PL)
- EX OVERHEAD POWER (P)
- EX RAIL
- EX SS PIPE (SS)
- NEW ST PIPE (SD)
- EDGE OF ROADWAY/EDGE OF PAVEMENT
- EX FENCE
- NEW CB
- EX GUY WIRE ANCHOR
- EX MW
- EX SS MH
- NEW ST MH
- NEW ST OF
- NEW ASPHALT ROAD HATCH
- NEW GRAVEL ROAD HATCH
- CONCRETE HATCH
- EX DECIDUOUS TREE
- EX CONIFEROUS TREE

GENERAL NOTES

1. HORIZONTAL DATUM: WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE, NAD 83/91.
2. ELEVATION DATUM: CLARK COUNTY, NGVD 29/47
3. THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS RECORD DRAWING OR FOR ANY ERRORS OR OMISSIONS THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION PROVIDED TO THE ENGINEER. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY.
4. THE TERM SUBGRADE REFERS TO THE GROUND SURFACE PRIOR TO THE PLACEMENT OF AN ENVIRONMENTAL CAP.
5. THE TERM FINISHED GRADE REFERS TO THE FINAL GROUND SURFACE FOLLOWING PLACEMENT OF AN ENVIRONMENTAL CAP.



VICINITY MAP

NOT TO SCALE

PROJECT CONTACTS

CLIENT	ENGINEER
PORT OF RIDGEFIELD 111 WEST DIVISION ST RIDGEFIELD, WASHINGTON 98642 (360) 887-3873 (PHONE) CONTACT: LAURIE OLIN, DIRECTOR OF OPERATIONS	MAUL FOSTER & ALONGI, INC. 400 E. MILL PLAIN BLVD, SUITE 400 VANCOUVER, WASHINGTON 98660 (971) 544-2139 (PHONE) CONTACTS: JENNIFER KING, P.E. JOSHUA ELLIOTT, P.E.
DEPARTMENT OF ECOLOGY TOXICS CLEANUP PROGRAM VANCOUVER FIELD OFFICE 2108 GRAND BLVD VANCOUVER, WA 98664 (360) 690-4795 (PHONE) CONTACT: CRAIG RANKINE	

SHEET INDEX

ABBREVIATIONS

APPROX	APPROXIMATE
AVE	AVENUE
CB	CATCH BASIN
E	EAST, EASTING
EL	ELEVATION
EX	EXISTING
FT	FOOT
HDPE	HIGH-DENSITY POLYETHYLENE
MH	MANHOLE
MW	MONITORING WELL
N	NORTH, NORTHING
NTS	NOT TO SCALE
OF	OUTFALL
PVC	POLYVINYL CHLORIDE
SS	SANITARY SEWER
ST	STORM
WWTP	WASTEWATER TREATMENT PLANT

RECORD DRAWING

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Port of Ridgefield

JOSHUA CARSON ELLIOTT 50320 REGISTERED PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

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DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING
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SCALE AS NOTED
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COVER
SHEET
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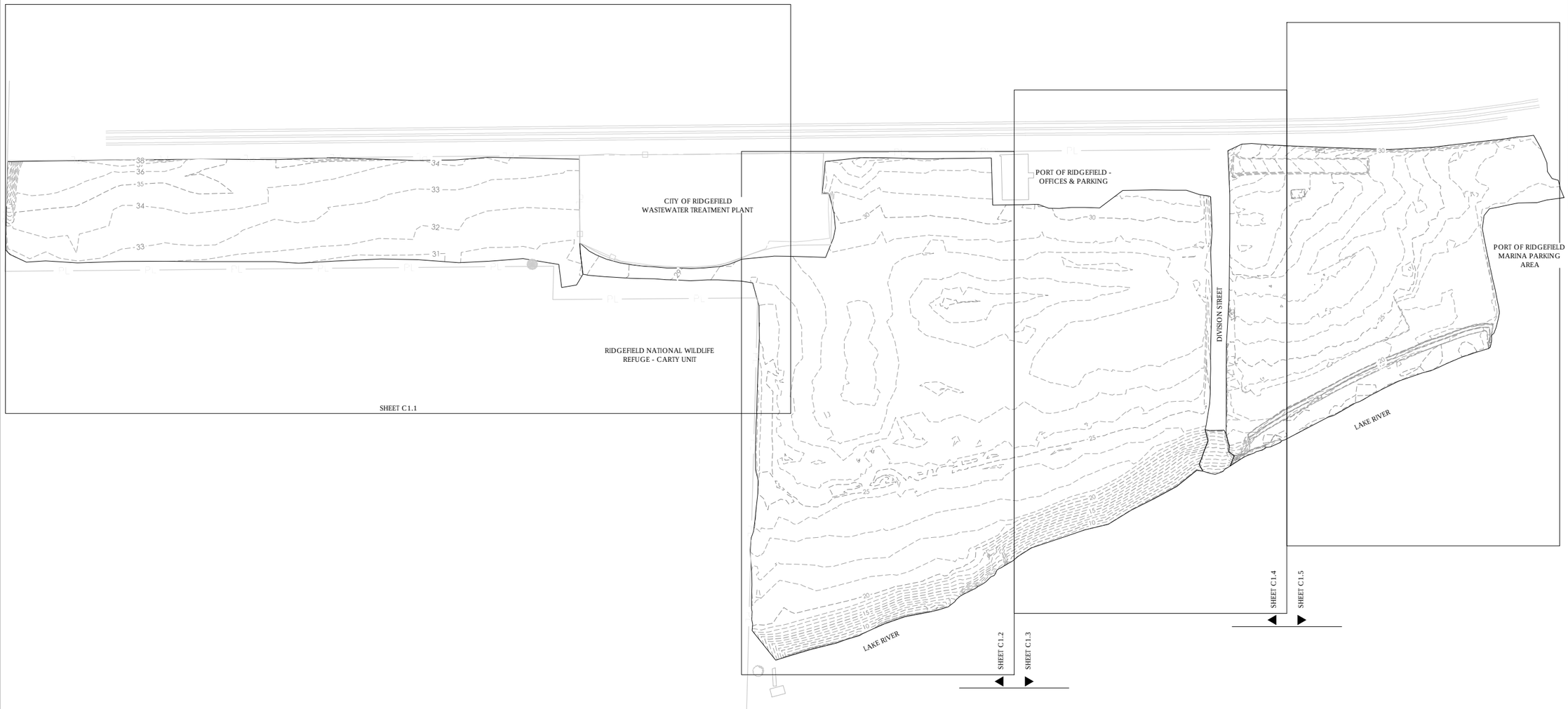

OVERALL SUBGRADE SITE MAP NOTES:

1. THE INFORMATION SHOWN ON THESE SUBGRADE PLANS IS BASED ON INFORMATION FROM SEVERAL SOURCES. THESE INCLUDE THE FOLLOWING:
   - A. BARBIERI AND ASSOCIATES, SURVEY, 2009
   - B. KC DEVELOPMENT, SURVEY, FALL 2010
   - C. MINISTER-GLAESER SURVEYING, INC., SURVEY, SPRING 2012
   - D. BLUHM AND ASSOCIATES, SURVEY, MULTIPLE DATES 2012
   - E. MAGNUS PACIFIC, CONSTRUCTION SURVEY, MULTIPLE DATES 2012 AND 2013
   - F. DIXON MARINE SERVICES, CONSTRUCTION SURVEY, MULTIPLE DATES 2014 & 2015
2. THE PROFESSIONAL ENGINEER WHOSE STAMP APPEARS ON THESE DRAWINGS HAS COMPILED INFORMATION FROM THESE VARIOUS SOURCES INTO THE INFORMATION SHOWN. THE ENGINEER HAS NOT INDEPENDENTLY FIELD-VERIFIED THE INFORMATION SHOWN. THE INFORMATION SHOWN HEREIN IS INTENDED FOR USE BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AS PART OF COMPLETION REPORTING FOR REMEDIAL ACTIONS COMPLETED AT THE LAKE RIVER INDUSTRIAL SITE. USE OF THIS INFORMATION BY OTHERS AND/OR USE OF THIS INFORMATION FOR PURPOSES OTHER THAN THAT DESCRIBED ABOVE IS AT USER'S OWN RISK. DATA SHOULD BE FIELD-VERIFIED PRIOR TO FUTURE CONSTRUCTION ON THE SITE.

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RIDGEFIELD, WASHINGTON

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OVERALL SUBGRADE SITE MAP

SHEET
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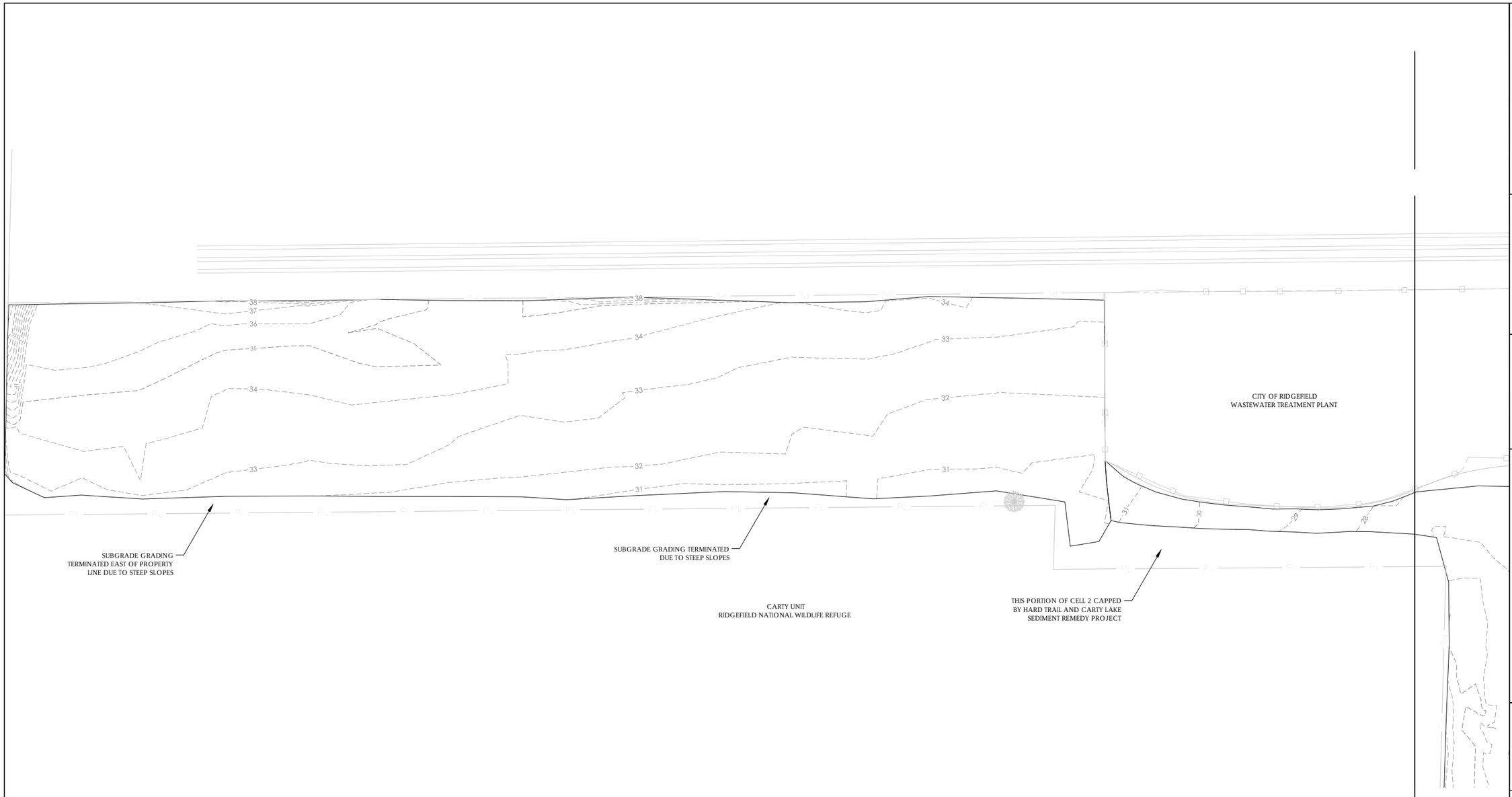

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WASTEWATER TREATMENT PLANT

LAKE RIVER

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SUBGRADE RECORD DRAWING 2

SHEET
C1.2

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SUBGRADE RECORD DRAWING 3

SHEET
C1.3

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LAKE RIVER

PORT OF RIDGEFIELD
MARINA PARKING AREA

RECORD DRAWING

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SCALE

0 40' 80'

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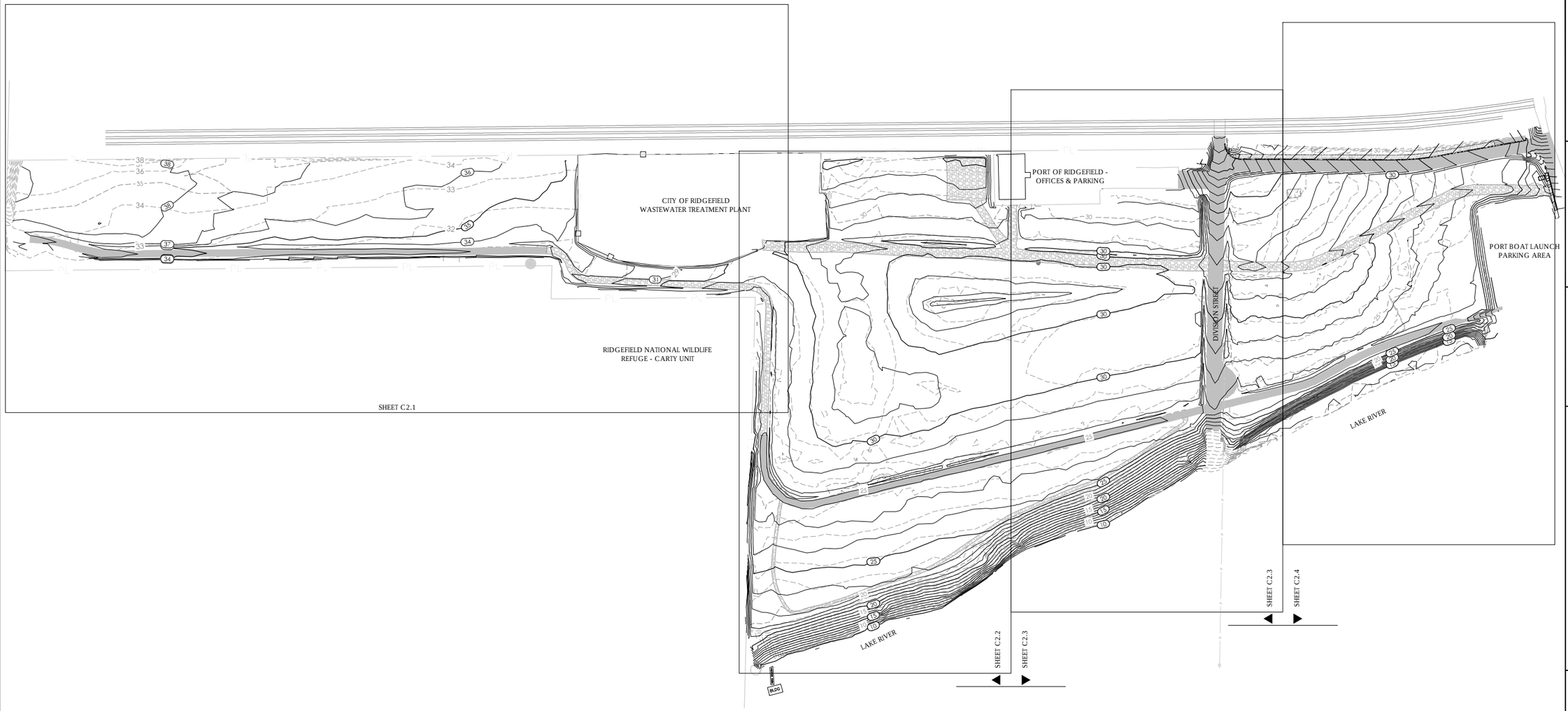
SUBGRADE RECORD DRAWING 4

SHEET

C1.4

PLOTTED ON: 2015-04-30 11:14 AM PLOTTED BY: Josh Elliott FILENAME: g:\9003.01.47 port of ridgefield\1 construction support\PLANS\CX\Subgrade4.dwg



OVERALL FINISHED GRADE SITE MAP NOTES:

1. THE INFORMATION SHOWN ON THESE FINISHED GRADE RECORD DRAWINGS IS BASED ON INFORMATION FROM SEVERAL SOURCES. THESE SOURCES INCLUDE THE FOLLOWING:
   - A. MINISTER-GLAESER SURVEYING, INC. SPRING 2013
   - B. BLUHM AND ASSOCIATES, SURVEY, SUMMER 2013
   - C. HDJ DESIGN GROUP, RECORD DRAWINGS, FALL 2014
   - D. eTRAC INC., SURVEY, 2015
2. THE PROFESSIONAL ENGINEER WHOSE STAMP APPEARS ON THESE DRAWINGS HAS COMPILED INFORMATION FROM THESE VARIOUS SOURCES INTO THE INFORMATION SHOWN. THE ENGINEER HAS NOT INDEPENDENTLY FIELD-VERIFIED THE INFORMATION SHOWN. THE INFORMATION SHOWN HEREIN IS INTENDED FOR USE BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AS PART OF COMPLETION REPORTING FOR REMEDIAL ACTIONS COMPLETED AT THE LAKE RIVER INDUSTRIAL SITE. USE OF THIS INFORMATION BY OTHERS AND/OR USE OF THIS INFORMATION FOR PURPOSES OTHER THAN THAT DESCRIBED ABOVE IS AT USER'S OWN RISK. DATA SHOULD BE FIELD-VERIFIED PRIOR TO FUTURE CONSTRUCTION ON THE SITE.

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
50320
REGISTERED PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

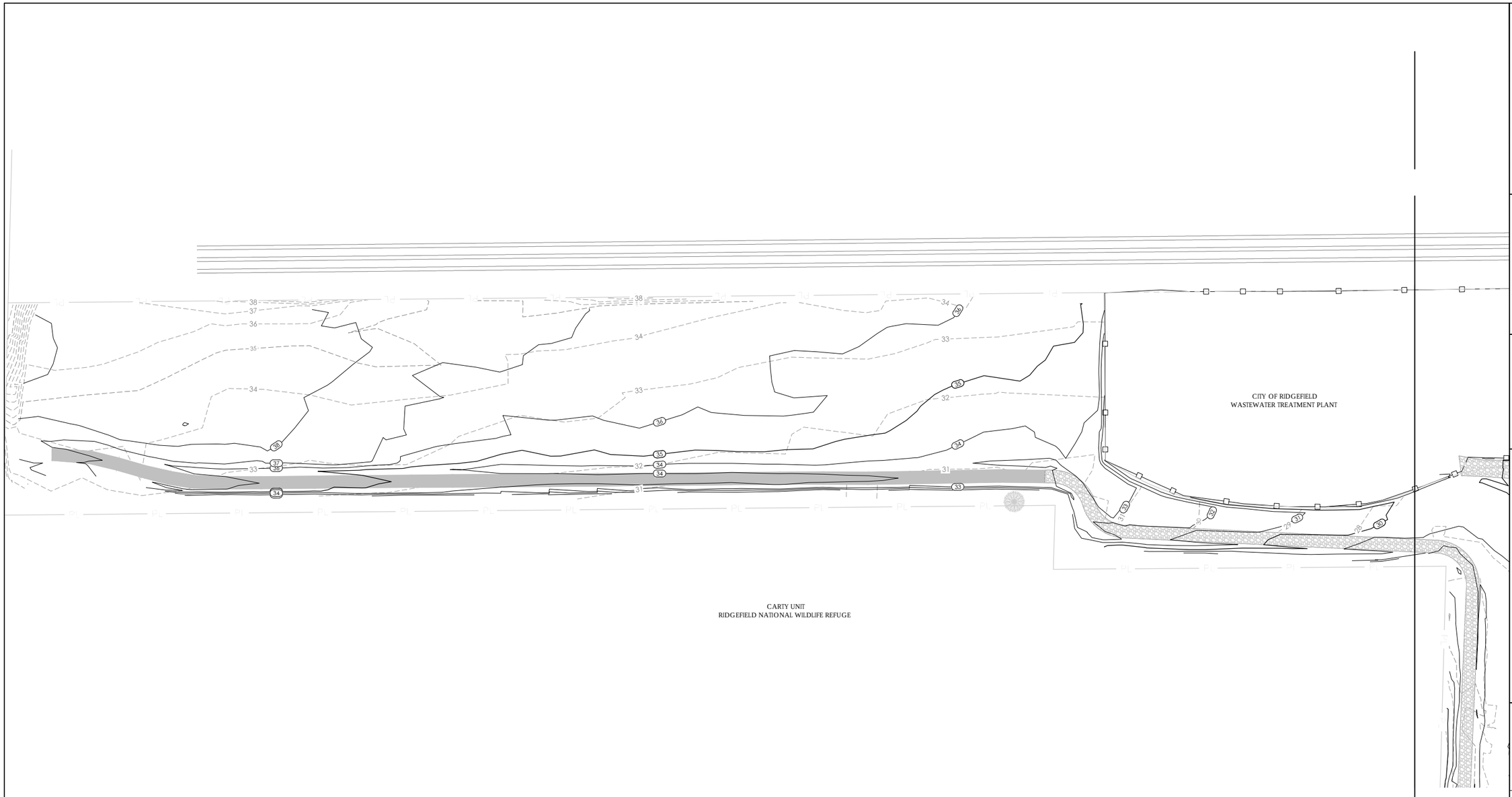
ISSUE	DATE	DESCRIPTION
B	03/31/2014	RD DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING
SCALE
0 120' 240'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
OVERALL FINISHED GRADE SITE MAP

SHEET
C2.0

PLOTTED BY: Josh Bloss FILENAME: g:\00_mfa civil 3d\00_projects\9003.01.47 port of ridgefield\completion report\PIANS\C3.Finished Grade.dwg
PLOTTED ON: 2015-04-30 11:12 AM



RECORD DRAWING

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400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
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Port of Ridgefield

JOSHUA CARSON ELLIOTT
50320
REGISTERED PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
0	03/13/2014	BID DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

SCALE
0 60' 120'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
FINISHED GRADE RECORD DRAWING 1

SHEET
C2.1

PLOTTED ON: 2015-04-30 11:12 AM PLOTTED BY: Josh Blunt FILENAME: g:\00_mfa civil 3d\00_projects\9003.01.47 port ridgefield\ completion report\PLANS\C4.finished Grade.dwg

CARTY UNIT
RIDGEFIELD NATIONAL WILDLIFE REFUGE

CITY OF RIDGEFIELD
WASTEWATER TREATMENT PLANT

LAKE RIVER

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
STATE OF WASHINGTON
50320
REGISTERED
PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
B	03/13/2014	BID DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

SCALE
0 40' 80'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
FINISHED GRADE RECORD DRAWING 2

SHEET
C2.2

PLOTTED ON: 2015-04-30 11:12 AM PLOTTED BY: Josh Blunt FILENAME: I:\00_mf\a civil 3d\00_projects\9003.01.47 port of ridgefield\1 completion report\PLANS\C2.2 finished Grade.dwg

LAKE RIVER

PORT OF RIDGEFIELD
OFFICES & PARKING

DIVISION STREET

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
STATE OF WASHINGTON
50320
REGISTERED
PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
0	03/13/2014	BID DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

SCALE

0 40' 80'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE

FINISHED GRADE
RECORD DRAWING
3

SHEET

C2.3

PLOTTED ON: 2015-04-30 11:12 AM PLOTTED BY: Josh Elliott FILENAME: g:\00_mf a civil 3d\00_projects\9003.01.47 port of ridgefield\1 completion report\PLANS\Cx finished Grade.dwg

LAKE RIVER

PORT OF RIDGEFIELD
MARINA PARKING AREA

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
STATE OF WASHINGTON
50320
REGISTERED
PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	BD DOCUMENTS	DESCRIPTION
B	03/13/2014		

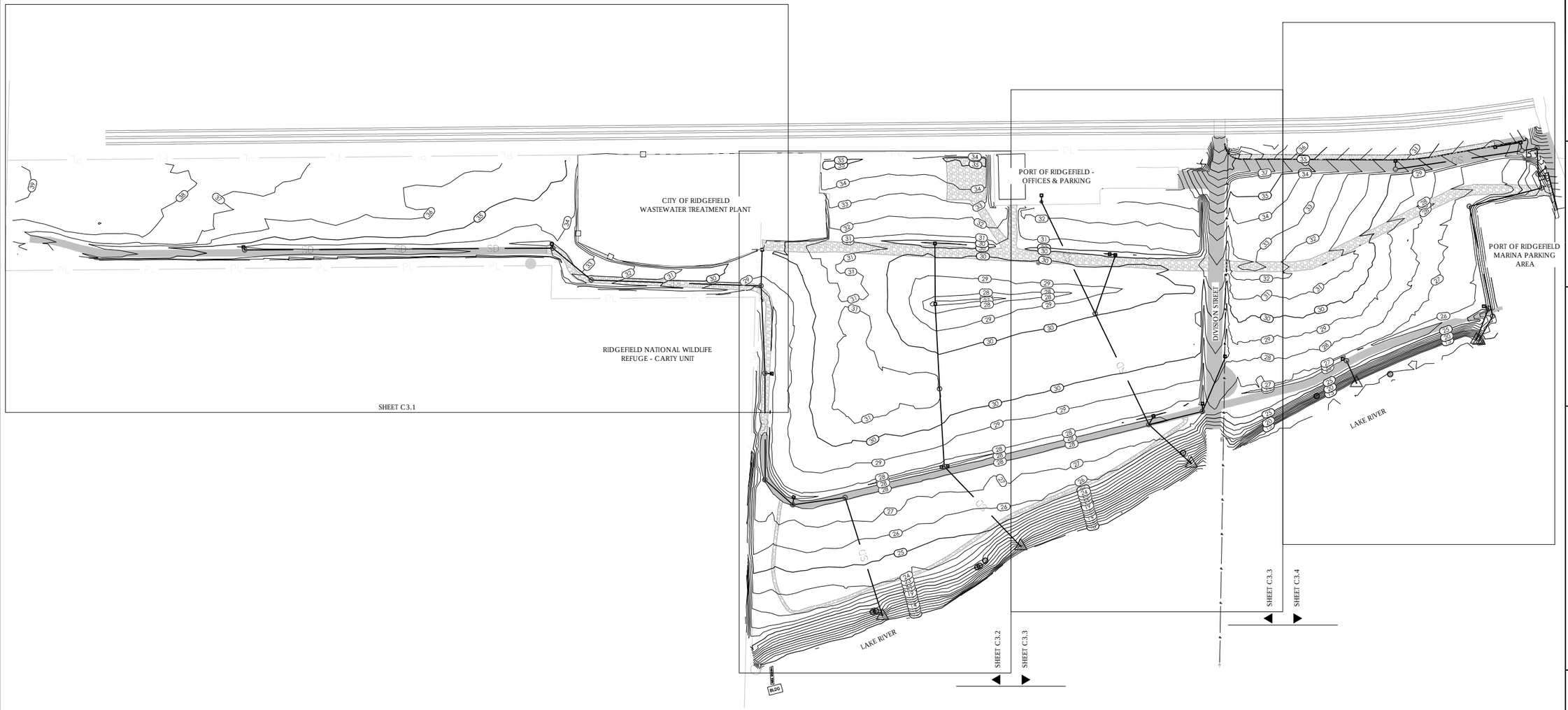
PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

SCALE
0 40' 80'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
FINISHED GRADE RECORD DRAWING 4

SHEET
C2.4

PLOTTED ON: 2015/04/30 11:12 AM PLOTTED BY: Josh Elliott FILENAME: g:\00_gis\1 civil 3d\00_projects\9003.01.47 port of ridgefield\1 completion report\PLANS\C4-finished Grade.dwg



OVERALL DRAINAGE SITE MAP NOTES:

1. THE INFORMATION SHOWN ON THESE DRAINAGE RECORD DRAWINGS IS BASED ON INFORMATION FROM SEVERAL SOURCES. THESE SOURCES INCLUDE THE FOLLOWING:
   A. BLUHM AND ASSOCIATES, SURVEY, SUMMER 2013
   B. HDJ DESIGN GROUP, RECORD DRAWINGS, FALL 2014
2. THE PROFESSIONAL ENGINEER WHOSE STAMP APPEARS ON THESE DRAWINGS HAS COMPILED INFORMATION FROM THESE VARIOUS SOURCES INTO THE INFORMATION SHOWN. THE ENGINEER HAS NOT INDEPENDENTLY FIELD-VERIFIED THE INFORMATION SHOWN. THE INFORMATION SHOWN HEREIN IS INTENDED FOR USE BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AS PART OF COMPLETION REPORTING FOR REMEDIAL ACTIONS COMPLETED AT THE LAKE RIVER INDUSTRIAL SITE. USE OF THIS INFORMATION BY OTHERS AND/OR USE OF THIS INFORMATION FOR PURPOSES OTHER THAN THAT DESCRIBED ABOVE IS AT USER'S OWN RISK. DATA SHOULD BE FIELD-VERIFIED PRIOR TO FUTURE CONSTRUCTION ON THE SITE.

RECORD DRAWING

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400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

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REGISTERED PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
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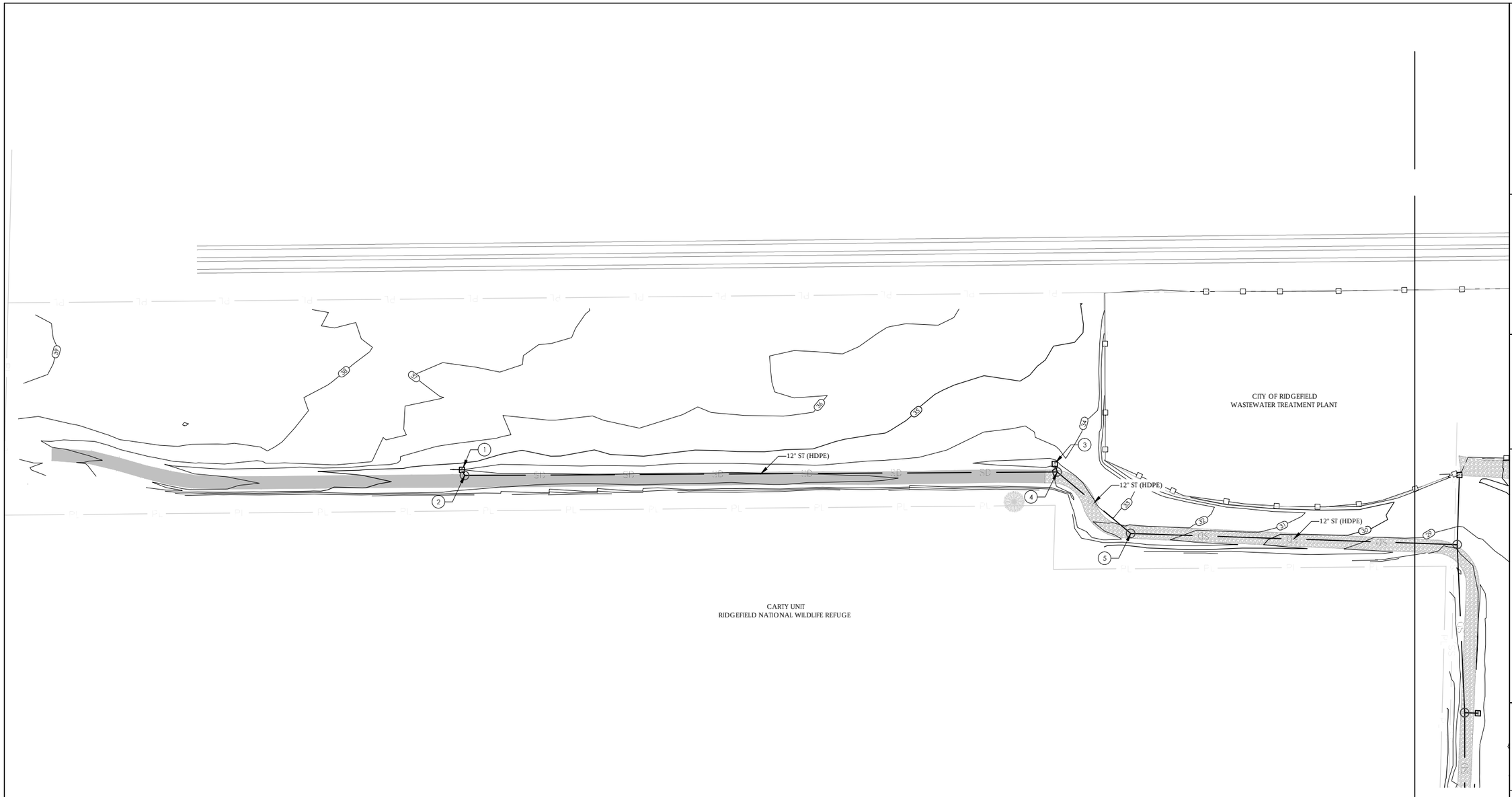
PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING
SCALE
0 120' 240'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
OVERALL DRAINAGE SITE MAP

SHEET
C3.0

PLOTTED ON: 2015-04-30 11:16 AM
PLOTTED BY: Josh Blunt FILENAME: g:\00_mfa civil 3d\00_projects\9003\01.47 port of ridgefield\ compliance report\PLANS\C3.0 drainage r.dwg



STORMWATER TABLE

1. CATCH BASIN
   RIM: 34.00'
2. MANHOLE, TYPE 3
   RIM 34.58'
3. CATCH BASIN
   RIM: 32.26
4. MANHOLE, TYPE 3
   RIM: 33.41'
5. MANHOLE, TYPE 3
   RIM: 31.77'

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
50320
REGISTERED
PROFESSIONAL ENGINEER
04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
0	03/13/2014	BID DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING
SCALE
0 60' 120'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE

DRAINAGE RECORD DRAWING 1

SHEET

C3.1

PLOTTED ON: 2015-04-30 11:16 AM PLOTTED BY: Josh Blore FILENAME: g:\00_mfa civil 3d\00_projects\9003.01.47 port ofrid gafield\ completion report\PIANS\C3x.Drainag e.dwg

CARTY UNIT
RIDGEFIELD NATIONAL WILDLIFE REFUGE

CITY OF RIDGEFIELD
WASTEWATER TREATMENT PLANT

LAKE RIVER

15" ST (PVC)

12" ST (HDPE)

STORMWATER TABLE

1. CATCH BASIN
   RIM: 29.20'
2. EX MANHOLE, TYPE 1
   RIM: 28.26'
3. MANHOLE, TYPE 3
   RIM: 28.09'
4. CATCH BASIN
   RIM: 26.82'
5. MANHOLE, TYPE 1
   RIM: 28.07'
6. CATCH BASIN
   RIM: 26.51'
7. MANHOLE, TYPE 3
   RIM: 28.10'
8. MANHOLE, TYPE 1
   RIM: 28.24'
9. 15" PVC OUTFALL
   IE: 14.37'
10. CATCH BASIN
    RIM: 28.69'
11. DROP INLET TYPE 2
    RIM: 26.57'
12. MANHOLE, TYPE 1
    RIM: 31.21'
13. CATCH BASIN
    RIM: 26.32'
14. MANHOLE, TYPE 3
    RIM: 27.90'
15. CATCH BASIN
    RIM: 26.69'

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
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www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
STATE OF WASHINGTON
50320
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PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
B	03/31/2004	BID DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

SCALE
0 40' 80'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
DRAINAGE RECORD DRAWING 2

SHEET
C3.2

PLOTTED ON: 2015-04-30 11:16 AM PLOTTED BY: Josh Elliott FILENAME: g:\00_staff a cnd 3d\00_projects\9003.01.47 port of ridgefield\completion report\PIANS\C6\Drawing 6.dwg

LAKE RIVER

PORT OF RIDGEFIELD
OFFICES & PARKING

DIVISION STREET

15" ST (PVC)

12" ST (PVC)

SD

STORMWATER TABLE

1. 15" PVC OUTFALL
   IE: 15.89'
2. EX CATCH BASIN
   RIM: 29.0' (APPROX)
3. MANHOLE, TYPE 3
   RIM: 30.0' (APPROX)
4. CATCH BASIN
   RIM: 28.99'
5. CATCH BASIN
   RIM: 28.95'
6. MANHOLE, TYPE 1
   RIM: 29.99'
7. CATCH BASIN
   RIM: 26.81'
8. MANHOLE, TYPE 3
   RIM: 28.09'
9. 15" PVC OUTFALL
   IE: 14.17'
10. CATCH BASIN
    RIM: 25.27'
11. MANHOLE, TYPE 3
    RIM: 27.31'
12. CATCH BASIN
    RIM: 27.12'
13. 8" DIP OUTLET
    IE: 29.91'
14. 8" DIP INLET
    IE: 30.88'

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
STATE OF WASHINGTON
50320
REGISTERED PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

SSUE	DATE	DESCRIPTION
a	03/13/2014	BID DOCUMENTS

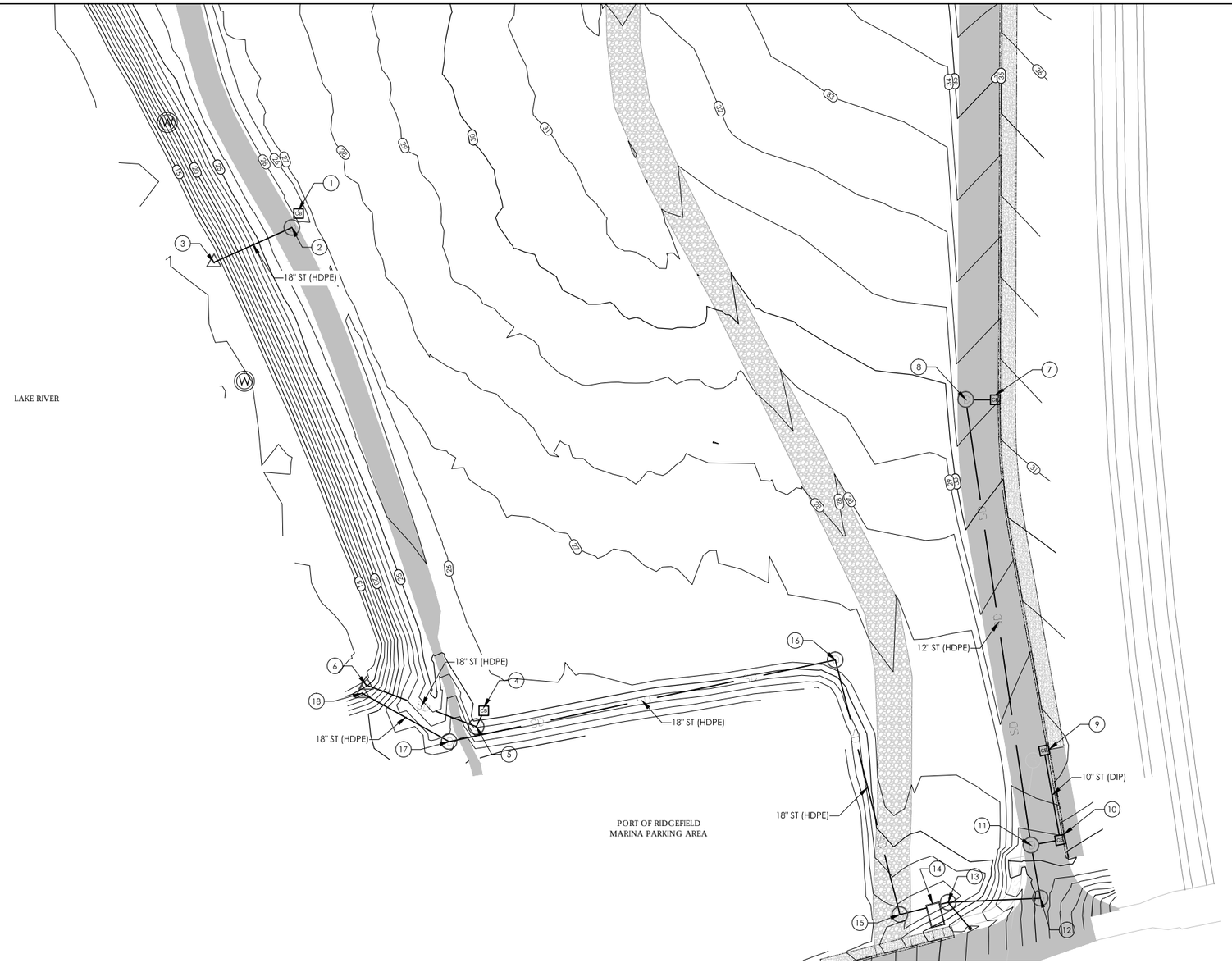
PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

SCALE
0 40' 80'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
DRAINAGE RECORD DRAWING 3

SHEET
C3.3

PLOTTED ON: 2015-04-30 11:16 AM PLOTTED BY: Josh Elliott FILENAME: g:\90_mf a civil 3d 90_projects\9003.01.47 port of ridgefield\1 completion report\PLANS\CX-Drainage.dwg



STORMWATER TABLE

1 CATCH BASIN RIM: 25.01'	7 CATCH BASIN RIM: 30.92'	13 MANHOLE, TYPE 3 RIM: 25.30' (APPROX)
2 MANHOLE, TYPE 3 RIM: 26.78'	8 MANHOLE, TYPE 3 RIM: 31.44' (APPROX)	14 BAYFILTER VAULT RIM: 24.50 (APPROX)
3 18" HDPE OUTFALL IE: 14.00'	9 CATCH BASIN RIM: 27.26'	15 MANHOLE, TYPE 3 RIM: 23.30' (APPROX)
4 CATCH BASIN RIM: 25.08'	10 CATCH BASIN RIM: 29.13'	16 MANHOLE, TYPE 1 RIM: 27.00' (APPROX)
5 MANHOLE, TYPE 3 RIM: 25.87	11 MANHOLE, TYPE X RIM: 29.56' (APPROX)	17 MANHOLE, TYPE 1 RIM: 23.95' (APPROX)
6 18" HDPE OUTFALL IE: 14.05'	12 MANHOLE, TYPE X RIM: 30.35' (APPROX)	18 18" HDPE OUTFALL IE: 14.05' (APPROX)

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

JOSHUA CARSON ELLIOTT
STATE OF WASHINGTON
50320
REGISTERED
PROFESSIONAL ENGINEER
04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
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PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING

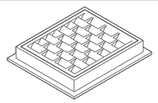
SCALE
0 40' 80'
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE
DRAINAGE RECORD DRAWING 4

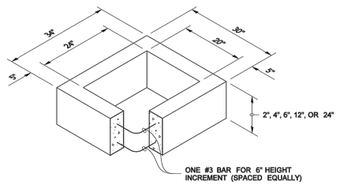
SHEET
C3.4

PLOTTED ON: 2015/04/30 11:16 AM PLOTTED BY: Josh Bisot FILENAME: g:\00_asfa civil 3d\00_projects\9003.01.47 port of ridgefield\ completion report \PLANS\C3-Drainage.dwg

DRAWN BY: LISA CYFORD



FRAME AND VANED GRATE



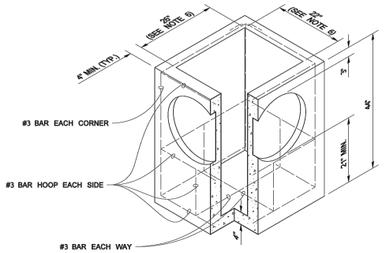
RECTANGULAR ADJUSTMENT SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ★ (STD. SPEC. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. 9-05.12(2))	15"

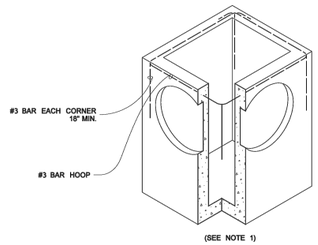
★ CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

1. As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20". Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification 9-04.3.
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5'.
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1:24 or steeper.
6. The opening shall be measured at the top of the Precast Base Section.
7. All pickup holes shall be grouted full after the basin has been placed.



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

CASEY M. KRASNER — STATE OF WASHINGTON — 24531 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES JULY 4, 2007

THE SIGNATURE AND SEAL APPEARING ON THIS DOCUMENT WERE AUTHORIZED BY CASEY M. KRASNER, P.E. ON 6/30/2005. ANY REVISIONS MADE TO THIS DOCUMENT BY ANY PARTY OTHER THAN THE AUTHORIZED ENGINEER SHALL RENDER THIS DOCUMENT INVALID FOR USE BY THE AUTHORIZED ENGINEER AND SHALL BE BORNE BY THE PARTY MAKING THE REVISIONS.

CATCH BASIN TYPE 1

STANDARD PLAN B-5.20-01

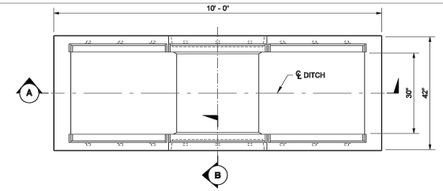
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

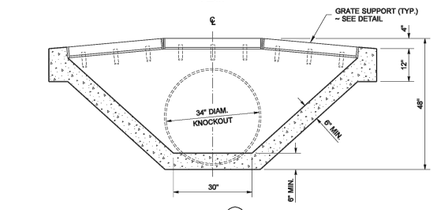
Pasco Bakotich III — STATE DESIGN ENGINEER — 06-16-11 — DATE

Washington State Department of Transportation

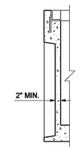
DRAWN BY: MARK SUZUKA



PLAN



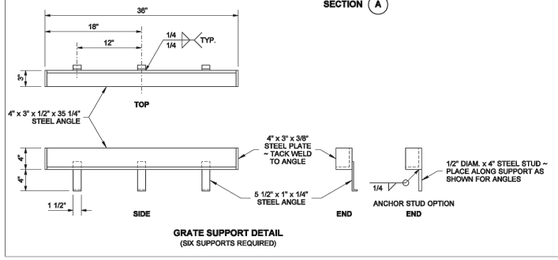
SECTION (A)



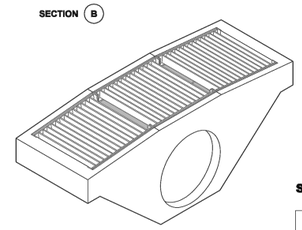
SECTION (B)

NOTES

1. The top of the inlet shall be placed at ground level to present an unobstructed ditch or median section.
2. Bevel or round exposed concrete edges 1/2".
3. Pipes may enter through the knockouts at any reasonable angle provided the outside of the pipe can be contained within the knockout provided.
4. The grade line of the lowest inlet pipe shall enter the structure at an elevation equal to or higher than the grade line of the outlet pipe.
5. All pickup holes shall be grouted full after the inlet has been placed.
6. The steel angles shall be set so that each bearing bar of the grate shall have full seating on both ends. The finished top of concrete shall be even with the grate surface. For grates, see Standard Plan B-50.20.
7. The amount, type, and grade of reinforcing steel is the responsibility of the manufacturer.
8. The inside wall taper for form removal shall not result in any wall section thinner than 6" except in pipe knockout areas.
9. Precast inlets shall be marked with the manufacturer's identification on the inside of the structure in some readily accessible location.



GRATE SUPPORT DETAIL
(SIX SUPPORTS REQUIRED)



ISOMETRIC
(SHOWN WITH TYPE 2 GRATE)

MATTHEW J. WITECKI — STATE OF WASHINGTON — 35586 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES JULY 4, 2007

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DROP INLET TYPE 2

STANDARD PLAN B-45.40-00

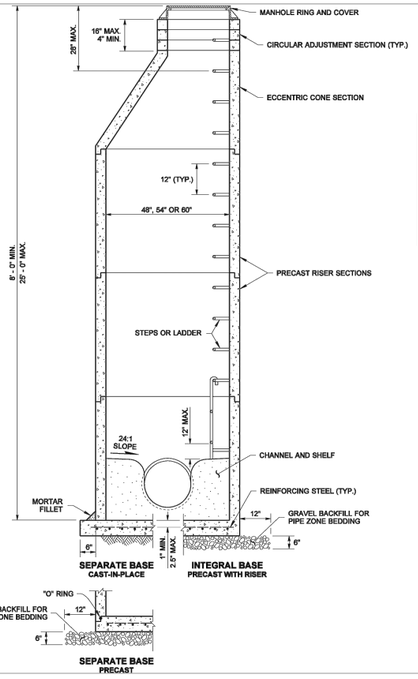
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso — STATE DESIGN ENGINEER — *06-01-06* — DATE

Washington State Department of Transportation

DRAWN BY: ADAM COCHRAN



NOTE

Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum.

MANHOLE DIMENSION TABLE

DIAM.	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS	BASE REINFORCING STEL in²/ft. IN EACH DIRECTION	
					SEPARATE BASE	INTEGRAL BASE
48"	4"	6"	36"	8"	0.23	0.15
54"	4.5"	8"	42"	8"	0.19	0.19
60"	5"	8"	48"	8"	0.25	0.25

MATTHEW J. WITECKI — STATE OF WASHINGTON — 35586 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES JULY 4, 2007

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MANHOLE TYPE 1

STANDARD PLAN B-15.20-00

SHEET 1 OF 1 SHEET

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Washington State Department of Transportation

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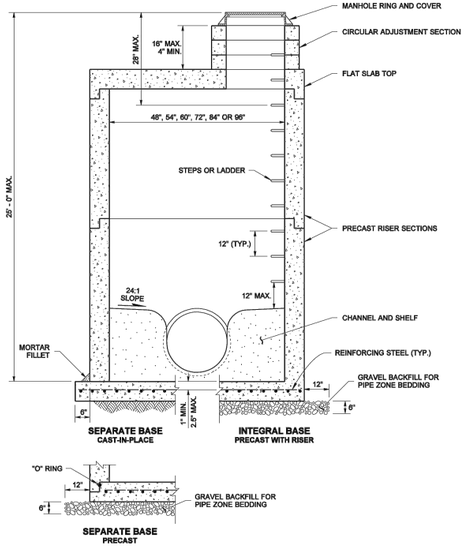

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Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum.

MANHOLE DIMENSION TABLE

DIAM.	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS	BASE REINFORCING STEL in²/ft. IN EACH DIRECTION	
					SEPARATE BASE	INTEGRAL BASE
48"	4"	6"	36"	8"	0.23	0.15
54"	4.5"	8"	42"	8"	0.19	0.19
60"	5"	8"	48"	8"	0.25	0.25
72"	6"	8"	60"	12"	0.35	0.24
84"	8"	12"	72"	12"	0.39	0.29
96"	8"	12"	84"	12"	0.39	0.29

MATTHEW J. WITECKI — STATE OF WASHINGTON — 35586 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES JULY 4, 2007

MANHOLE TYPE 3

STANDARD PLAN B-15.60-00

SHEET 1 OF 1 SHEET

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Harold J. Peterfeso — STATE DESIGN ENGINEER — *06-01-06* — DATE

Washington State Department of Transportation

RECORD DRAWING

MAUL FOSTER ALONGI
400 EAST MILL PLAIN BLVD
SUITE 400
VANCOUVER, WA 98660
PHONE: (971) 544-2139
www.maulfoster.com

Port of Ridgefield

FISHER CARSON ELLIOTT — STATE OF WASHINGTON — 50320 — REGISTERED PROFESSIONAL ENGINEER

04/29/15

LRIS COMPLETION REPORT
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

ISSUE	DATE	DESCRIPTION
0	03/13/2014	60% DOCUMENTS

PROJECT: 9003.01.47
DESIGNED: N/A
DRAWN: J. ELLIOTT
CHECKED: J. KING
SCALE
DRAWING NOT TO SCALE

SHEET TITLE
DRAINAGE STANDARD DETAILS

SHEET
C3.5

PLOTTED ON: 2015-04-30 11:39 AM PLOTTED BY: Josh Blott FILENAME: g:\00_mfa ccvl 3d\00_projects\9003.01.47 port of ridgefield completion report 1\RANS\C\DRAINAGE DETAILS.dwg

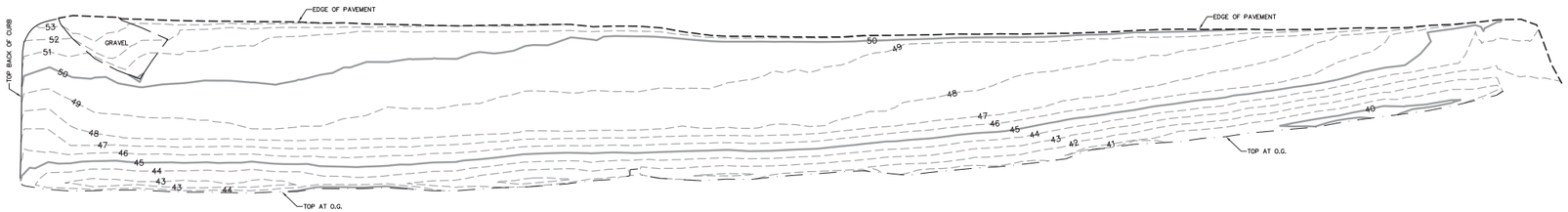
TOPOGRAPHIC SURVEY

FOR
SMITH & SMITH CONSTRUCTION
OF
2013 RAILROAD AVENUE
REMEDIAL ACTION PROJECT

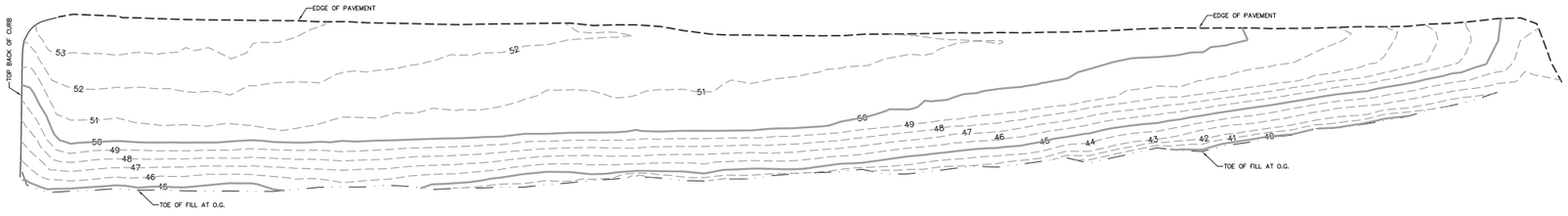
JOB NO.: 13-231
DATA COLLECT: 09-11-13, 09-13-13, 09-20-13, 09-27-13
DRAWING DATE: 09-27-13

LEGEND:
- INDICATES EDGE OF PAVEMENT
- INDICATES 5 FOOT INTERVAL CONTOUR
- INDICATES 1 FOOT INTERVAL CONTOUR

SUB GRADE



FINISH GRADE



NOTES:

1. HORIZONTAL DATUM: NAD 83/91 WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE
2. VERTICAL DATUM: CLARK COUNTY, NGVD 29/47

30 15 0 30 45 60
SCALE 1 INCH = 30 FEET

MINISTER-GLAESER
SURVEYING INC.
2200 E. EVERGREEN BLVD.
VANCOUVER, WA 98661
(360) 694-3313

DRAWING FILE: 132312.DWG DRAWN BY: CTP PROJECT MGR: CTP

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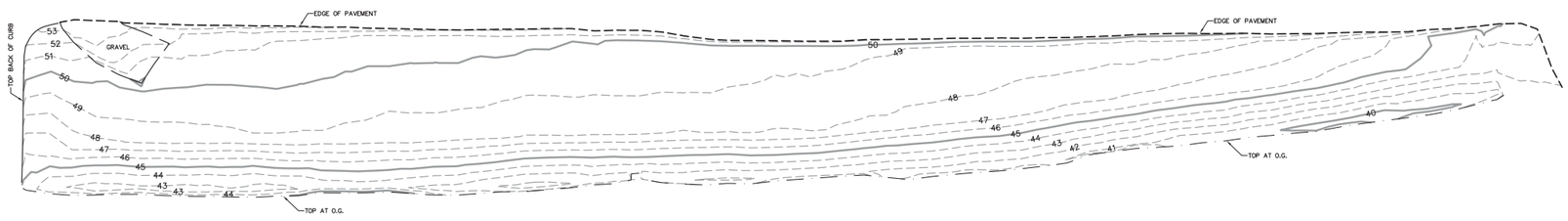

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APPENDIX A

LRIS SAMPLE ANALYTICAL RESULTS

APPENDIX A LRIS SAMPLE ANALYTICAL RESULTS

MAUL FOSTER ALONGI

Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-30	B-30	B-31	B-31	B-31	B-316	B-317	B-318	B-319	B-32
Sample Collection Date	12/01/1997	12/01/1997	12/01/1997	11/26/1997	11/26/1997	11/26/1997	11/17/2011	11/17/2011	11/17/2011	11/17/2011	12/05/1997
Sample Depth (feet bgs)	3.5	9.5	17	3.5	8	15.5	2	1.25	1.75	2	6.5
Metals (mg/kg)											
Arsenic	3	1	1	< 1	1	1	12	140	10	8	12
Cadmium	---	---	---	---	---	---	---	---	---	---	---
Chromium	13	7	5	6	6	10	---	---	---	---	13
Copper	19	23	19	15	17	22	---	---	---	---	23
Zinc	40	86	43	30	28	38	---	---	---	---	39
Dioxins and Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)											
Diesel	< 10	1110	619	< 10	< 10	1100	18	412	94	46	---
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---
Lube Oil	---	---	---	---	---	---	242	257	125	246	---
Other Petroleum Hydrocarbons	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---

MAUL FOSTER ALONGI

Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-30	B-30	B-31	B-31	B-31	B-316	B-317	B-318	B-319	B-32
Sample Collection Date	12/01/1997	12/01/1997	12/01/1997	11/26/1997	11/26/1997	11/26/1997	11/17/2011	11/17/2011	11/17/2011	11/17/2011	12/05/1997
Sample Depth (feet bgs)	3.5	9.5	17	3.5	8	15.5	2	1.25	1.75	2	6.5
Semivolatile Organic Compounds (ug/kg)											
2,4,5-Trichlorophenol	< 300	< 300	< 300	< 300	< 300	< 300	---	---	---	---	---
2,4,6-Trichlorophenol	< 300	< 300	< 300	< 300	< 300	< 300	---	---	---	---	< 5
Dibenzofuran	< 5	10000	11000	< 5	< 5	24000	---	---	---	---	< 1000
2-Methylphenol	< 300	< 300	< 300	< 300	< 300	< 300	---	---	---	---	---
3- & 4-Methylphenol	< 300	< 300	< 300	< 300	< 300	< 300	---	---	---	---	---
Carbazole	< 300	700	700	< 300	< 300	500	---	---	---	---	---
Pentachlorophenol	75	8000	12000	240	930	29000	842	5890	13700	3260	< 1000
Tetrachlorophenols, Total	< 5	---	---	33	71	260	---	---	---	---	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)											
1-Methylnaphthalene	---	---	---	---	---	---	< 7.49	721	21.9	< 7.50	---
2-Methylnaphthalene	< 5	16000	15000	< 5	< 5	32000	9	1440	24.1	< 7.50	< 1000
Acenaphthene	< 5	12000	15000	< 5	< 5	39000	40.4	1920	78.1	< 7.50	< 1000
Acenaphthylene	< 5	< 1000	2000	< 5	< 5	< 1000	10.5	56.3	19.7	20.2	< 1000
Anthracene	< 5	4000	6000	14	< 5	13000	41.2	1080	118	48.7	< 1000
Benzo(a)anthracene	7	< 1000	< 1000	6	10	7800	27	1580	97.8	24	< 1000
Benzo(a)pyrene	< 5	< 1000	< 1000	< 5	< 5	1260	21	510	68.6	53.2	< 1000
Benzo(b)fluoranthene	< 5	---	---	< 5	5	1270	79.4	1230	169	151	17
Benzo(b+k)fluoranthene	---	< 1000	< 1000	---	---	< 1000	---	---	---	---	< 1000
Benzo(ghi)perylene	< 5	< 1000	< 1000	< 5	< 5	< 1000	32.2	174	50.4	50.2	< 1000
Benzo(k)fluoranthene	< 5	---	---	< 5	< 5	1220	19.5	363	48.2	31.5	19
Chrysene	7	1000	< 1000	6	10	5300	27	1510	106	21	< 1000
Dibenzo(a,h)anthracene	< 5	---	---	< 5	< 5	98	18	116	33.6	31.5	< 5
Fluoranthene	22	9000	13000	34	44	31000	121	11100	672	127	< 1000
Fluorene	< 5	7000	9000	< 5	< 5	23000	19.5	1580	112	< 7.50	< 1000
Indeno(1,2,3-cd)pyrene	< 5	---	---	< 5	< 5	396	25.5	209	58.4	47.2	17
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	< 1000	< 1000	---	---	< 1000	---	---	---	---	< 1000
Naphthalene	< 5	42000	52000	< 5	< 5	60000	9	1780	33.6	< 7.50	< 1000
Phenanthrene	< 300	22000	36000	< 300	< 300	63000	95.9	10100	704	16.5	< 1000
Pyrene	21	7000	13000	25	40	24000	94.4	6910	483	72.7	< 1000

MAUL FOSTER ALONGI

Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-32	B-320	B-322	B-323	B-324	B-325	B-33	B-33	B-33	B-34
Sample Collection Date	12/01/1997	12/08/1997	11/17/2011	11/17/2011	11/17/2011	11/17/2011	11/17/2011	12/04/1997	12/04/1997	12/04/1997	11/26/1997
Sample Depth (feet bgs)	3.5	14	2.25	2.5	1	0.5	8.5	3.5	9.5	15.5	3.5
Metals (mg/kg)											
Arsenic	3	1	10	241	---	---	7	18	6	1	10
Cadmium	---	---	---	---	---	---	---	---	---	---	---
Chromium	13	7	---	---	---	---	---	24	22	7	14
Copper	19	20	---	---	---	---	---	33	28	17	19
Zinc	40	38	---	---	---	---	---	69	48	26	43
Dioxins and Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)											
Diesel	< 10	< 10	268	---	---	---	---	1380	151	371	38
Gasoline	< 10	< 10	---	---	---	---	---	< 10	< 10	< 10	< 10
Jet fuels	< 10	< 10	---	---	---	---	---	< 10	< 10	< 10	< 10
Kerosene	< 10	< 10	---	---	---	---	---	< 10	< 10	< 10	< 10
Mineral spirits	< 10	< 10	---	---	---	---	---	< 10	< 10	< 10	< 10
Lube Oil	---	---	698	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	< 20	< 20	---	---	---	---	---	< 20	< 20	< 20	< 20

MAUL FOSTER ALONGI

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Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-32	B-320	B-322	B-323	B-324	B-325	B-33	B-33	B-33	B-34
Sample Collection Date	12/01/1997	12/08/1997	11/17/2011	11/17/2011	11/17/2011	11/17/2011	11/17/2011	12/04/1997	12/04/1997	12/04/1997	11/26/1997
Sample Depth (feet bgs)	3.5	14	2.25	2.5	1	0.5	8.5	3.5	9.5	15.5	3.5
Semivolatile Organic Compounds (ug/kg)											
2,4,5-Trichlorophenol	< 300	< 300	---	---	---	---	---	< 300	< 300	< 0.3	< 300
2,4,6-Trichlorophenol	< 300	< 300	---	---	---	---	---	< 300	< 300	< 0.3	< 300
Dibenzofuran	< 5	---	---	---	---	< 41.0	---	3400	314	5	285
2-Methylphenol	< 300	< 300	---	---	---	---	---	< 300	< 300	< 300	< 300
3- & 4-Methylphenol	< 300	< 300	---	---	---	---	---	< 300	< 300	< 300	< 300
Carbazole	< 300	< 300	---	---	---	---	---	2700	300	< 300	< 300
Pentachlorophenol	75	6	52300	---	8380	< 61.5	---	17000	3200	29000	1400
Tetrachlorophenols, Total	< 5	< 5	---	---	---	---	---	670	94	---	96
Polycyclic Aromatic Hydrocarbons (ug/kg)											
1-Methylnaphthalene	---	---	50.9	10000	---	< 8.20	---	---	---	---	---
2-Methylnaphthalene	< 5	---	86.3	10300	---	< 8.20	---	4100	53	4000	67
Acenaphthene	< 5	---	220	73900	---	< 8.20	---	5000	537	7000	621
Acenaphthylene	< 5	---	41.3	2870	---	< 8.20	---	237	26	< 1000	< 5
Anthracene	< 5	---	232	34300	---	8.2	---	8600	1180	3000	279
Benzo(a)anthracene	7	---	209	28900	---	8.2	---	4300	618	< 1000	186
Benzo(a)pyrene	< 5	---	184	9070	---	16.4	---	693	146	4000	65
Benzo(b)fluoranthene	< 5	---	383	21700	---	29.5	---	946	193	---	81
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	< 1000	---
Benzo(ghi)perylene	< 5	---	87.8	2740	---	18	---	228	50	< 1000	35
Benzo(k)fluoranthene	< 5	---	119	6720	---	< 8.20	---	966	216	---	88
Chrysene	7	---	185	28200	---	< 8.20	---	4300	541	< 1000	169
Dibenzo(a,h)anthracene	< 5	---	53.8	1930	---	11.5	---	90	16	---	17
Fluoranthene	22	---	2140	189000	---	26.2	---	19000	3800	8000	1070
Fluorene	< 5	---	204	35500	---	< 8.20	---	4300	537	5000	489
Indeno(1,2,3-cd)pyrene	< 5	---	84.1	3490	---	18	---	357	74	---	33
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	< 1000	---
Naphthalene	< 5	---	255	3780	---	< 8.20	---	238	14	6000	39
Phenanthrene	< 300	< 300	937	178000	---	15.6	---	28000	3300	19000	1600
Pyrene	21	---	1810	130000	---	19.7	---	20000	1800	7000	765

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-34	B-34	B-35	B-35	B-35	B-36	B-36	B-36	B-37	B-37
Sample Collection Date	12/01/1997	11/26/1997	11/26/1997	12/02/1997	12/02/1997	12/02/1997	12/03/1997	12/03/1997	12/03/1997	12/02/1997	12/03/1997
Sample Depth (feet bgs)	3.5	8	17	3.5	11	14	5	9.5	15.5	5	15.5
Metals (mg/kg)											
Arsenic	3	2	< 1	10	2	1	2	2	1	25	1
Cadmium	---	---	---	---	---	---	---	---	---	---	---
Chromium	13	12	6	37	10	8	22	9	10	28	9
Copper	19	20	16	32	25	33	16	25	19	22	18
Zinc	40	40	25	107	42	32	39	45	35	86	40
Dioxins and Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)											
Diesel	< 10	734	284	4430	2180	4430	3710	2010	147	3630	< 10
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lube Oil	---	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-34	B-34	B-35	B-35	B-35	B-36	B-36	B-36	B-37	B-37
Sample Collection Date	12/01/1997	11/26/1997	11/26/1997	12/02/1997	12/02/1997	12/02/1997	12/03/1997	12/03/1997	12/03/1997	12/02/1997	12/03/1997
Sample Depth (feet bgs)	3.5	8	17	3.5	11	14	5	9.5	15.5	5	15.5
Semivolatile Organic Compounds (ug/kg)											
2,4,5-Trichlorophenol	< 300	< 300	< 300	< 3000	< 3000	< 3000	< 300	< 300	< 300	< 3000	< 300
2,4,6-Trichlorophenol	< 300	< 300	< 300	< 3000	< 3000	< 3000	< 300	< 300	< 300	< 3000	< 300
Dibenzofuran	< 5	30000	17000	44000	59000	76000	39000	27000	4000	11000	< 1000
2-Methylphenol	< 300	< 300	< 300	< 3000	< 3000	< 3000	< 300	< 300	< 300	< 3000	< 300
3- & 4-Methylphenol	< 300	< 300	< 300	< 3000	< 3000	< 3000	< 300	< 300	< 300	< 3000	< 300
Carbazole	< 300	700	100	2000	27000	10000	2700	10000	900	< 3000	< 300
Pentachlorophenol	75	29000	20000	23000	53000	77000	182000	128000	22000	17000	< 1000
Tetrachlorophenols, Total	< 5	---	---	---	---	---	---	1700	---	---	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)											
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	29000	27000	16000	66000	187000	111000	59000	5000	64000	< 1000
Acenaphthene	< 5	38000	29000	23000	72000	120000	56000	46000	6000	18000	< 1000
Acenaphthylene	< 5	< 1000	< 1000	< 1000	3000	3000	3000	2000	< 1000	45000	< 1000
Anthracene	< 5	9000	10000	2000	15000	39000	14000	22000	2000	2000	< 1000
Benzo(a)anthracene	7	< 1000	< 1000	< 1000	6000	13000	3000	11000	< 1000	< 1000	< 1000
Benzo(a)pyrene	< 5	< 1000	< 1000	< 1000	< 1000	< 1000	6000	5000	3000	< 1000	< 1000
Benzo(b)fluoranthene	< 5	---	---	---	---	---	---	1440	---	---	< 5
Benzo(b+k)fluoranthene	---	< 1000	< 1000	< 1000	1000	7000	3000	< 1000	< 1000	< 1000	< 1000
Benzo(ghi)perylene	< 5	< 1000	1000	2000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
Benzo(k)fluoranthene	< 5	---	---	---	---	---	---	1610	---	---	< 5
Chrysene	7	< 1000	< 1000	< 1000	4000	11000	4000	8200	< 1000	< 1000	< 1000
Dibenzo(a,h)anthracene	< 5	---	---	---	---	---	---	124	---	---	< 5
Fluoranthene	22	33000	23000	13000	58000	88000	38000	44000	6000	8000	< 1000
Fluorene	< 5	24000	18000	13000	47000	72000	32000	35000	4000	19000	< 1000
Indeno(1,2,3-cd)pyrene	< 5	---	---	---	---	---	---	459	---	---	< 5
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	< 1000	< 1000	3000	< 1000	5000	6000	< 1000	< 1000	< 1000	< 1000
Naphthalene	< 5	56000	51000	36000	226000	879000	736000	120000	16000	13000	< 1000
Phenanthrene	< 300	71000	50000	34000	127000	193000	84000	120000	11000	30000	< 1000
Pyrene	21	25000	18000	9000	51000	76000	33000	49000	5000	5000	< 1000

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-38	B-38	B-38	B-39	B-39	B-40	B-40	B-41	B-41	B-43
Sample Collection Date	12/01/1997	12/05/1997	12/05/1997	12/05/1997	01/19/1998	01/19/1998	12/11/1997	12/11/1997	12/10/1997	12/10/1997	11/20/1997
Sample Depth (feet bgs)	3.5	3.5	9.5	15.5	6.5	12.5	6.5	14	5	14	3.5
Metals (mg/kg)											
Arsenic	3	12	2	2	3	2	8	3	11	1	6
Cadmium	---	---	---	---	---	---	---	---	---	---	---
Chromium	13	27	12	12	27	12	95	14	110	7	13
Copper	19	18	28	22	22	23	22	17	21	17	13
Zinc	40	188	126	43	48	32	116	39	411	30	58
Dioxins and Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)											
Diesel	< 10	---	---	---	---	---	---	---	---	---	---
Gasoline	< 10	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	---	---	---	---	---	---	---	---	---	---
Kerosene	< 10	---	---	---	---	---	---	---	---	---	---
Mineral spirits	< 10	---	---	---	---	---	---	---	---	---	---
Lube Oil	---	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	< 20	---	---	---	---	---	---	---	---	---	---

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-38	B-38	B-38	B-39	B-39	B-40	B-40	B-41	B-41	B-43
Sample Collection Date	12/01/1997	12/05/1997	12/05/1997	12/05/1997	01/19/1998	01/19/1998	12/11/1997	12/11/1997	12/10/1997	12/10/1997	11/20/1997
Sample Depth (feet bgs)	3.5	3.5	9.5	15.5	6.5	12.5	6.5	14	5	14	3.5
Semivolatile Organic Compounds (ug/kg)											
2,4,5-Trichlorophenol	< 300	---	---	---	---	---	---	---	---	---	< 0.3
2,4,6-Trichlorophenol	< 300	---	---	---	< 5000	< 5000	---	---	---	---	< 5
Dibenzofuran	< 5	1150	54000	58000	---	---	15000	146000	49000	50000	16
2-Methylphenol	< 300	---	---	---	---	---	---	---	---	---	< 0.3
3- & 4-Methylphenol	< 300	---	---	---	---	---	---	---	---	---	< 0.3
Carbazole	< 300	---	---	---	---	---	---	---	---	---	< 0.3
Pentachlorophenol	75	5000	349000	296000	290000	190000	161000	554000	274000	242000	< 5
Tetrachlorophenols, Total	< 5	---	---	---	11000	11000	---	---	---	---	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)											
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	1000	69000	101000	---	---	9000	188000	64000	95000	682
Acenaphthene	< 5	3100	74000	79000	---	---	21000	201000	69000	72000	57
Acenaphthylene	< 5	< 1000	8000	9000	---	---	< 1000	19000	7000	8000	< 5
Anthracene	< 5	3900	18000	22000	---	---	6000	52000	17000	22000	12
Benzo(a)anthracene	7	1230	23000	23000	---	---	6000	35000	8000	9000	16
Benzo(a)pyrene	< 5	< 1000	6000	6000	---	---	2000	10000	3000	5000	8
Benzo(b)fluoranthene	< 5	468	---	---	---	---	---	---	---	---	9
Benzo(b+k)fluoranthene	---	< 1000	7000	8000	---	---	2000	20000	6000	7000	---
Benzo(ghi)perylene	< 5	< 1000	2000	4000	---	---	< 1000	13000	< 1000	4000	6
Benzo(k)fluoranthene	< 5	531	---	---	---	---	---	---	---	---	9
Chrysene	7	1300	22000	22000	---	---	6000	27000	9000	< 1000	21
Dibenzo(a,h)anthracene	< 5	43	---	---	---	---	---	---	---	---	< 5
Fluoranthene	22	8800	63000	60000	---	---	23000	159000	60000	56000	23
Fluorene	< 5	1900	45000	45000	---	---	10000	112000	43000	42000	11
Indeno(1,2,3-cd)pyrene	< 5	145	---	---	---	---	---	---	---	---	6
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	< 1000	8000	11000	---	---	5000	28000	7000	9000	---
Naphthalene	< 5	4000	227000	429000	---	---	34000	646000	213000	401000	9400
Phenanthrene	< 300	5900	137000	126000	---	---	32000	334000	129000	120000	14
Pyrene	21	8100	63000	57000	---	---	24000	156000	59000	54000	28

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-43	B-44	B-44	B-45	B-45	B-45	B-46	B-46	B-48	B-48
Sample Collection Date	12/01/1997	11/20/1997	11/20/1997	11/20/1997	11/19/1997	11/19/1997	11/19/1997	11/19/1997	11/19/1997	11/20/1997	11/20/1997
Sample Depth (feet bgs)	3.5	9.5	6.5	12.5	3.5	5	8	5	9.5	3.5	12.5
Metals (mg/kg)											
Arsenic	3	3	6	17	8	7	9	8	2	9	2
Cadmium	---	---	---	---	---	---	---	---	---	---	---
Chromium	13	11	13	26	19	18	28	18	13	17	6
Copper	19	25	16	20	14	18	17	13	22	15	17
Zinc	40	39	43	138	56	51	49	42	40	62	30
Dioxins and Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)											
Diesel	< 10	---	---	---	249	---	---	< 10	< 10	---	---
Gasoline	< 10	---	---	---	415	---	---	< 10	< 10	---	---
Jet fuels	< 10	---	---	---	< 10	---	---	< 10	< 10	---	---
Kerosene	< 10	---	---	---	< 10	---	---	< 10	< 10	---	---
Mineral spirits	< 10	---	---	---	< 10	---	---	< 10	< 10	---	---
Lube Oil	---	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	< 20	---	---	---	< 20	---	---	< 20	< 20	---	---

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	B-43	B-44	B-44	B-45	B-45	B-45	B-46	B-46	B-48	B-48
Sample Collection Date	12/01/1997	11/20/1997	11/20/1997	11/20/1997	11/19/1997	11/19/1997	11/19/1997	11/19/1997	11/19/1997	11/20/1997	11/20/1997
Sample Depth (feet bgs)	3.5	9.5	6.5	12.5	3.5	5	8	5	9.5	3.5	12.5
Semivolatile Organic Compounds (ug/kg)											
2,4,5-Trichlorophenol	< 300	---	< 0.3	---	---	< 300	---	< 300	< 300	< 0.3	---
2,4,6-Trichlorophenol	< 300	---	< 50	---	---	< 300	---	< 300	< 300	< 5	---
Dibenzofuran	< 5	39000	915	28000	< 1000	116	14000	21	< 5	226	5000
2-Methylphenol	< 300	---	< 0.3	---	---	< 300	---	< 300	< 300	< 0.3	---
3- & 4-Methylphenol	< 300	---	< 0.3	---	---	< 300	---	< 300	< 300	< 0.3	---
Carbazole	< 300	---	< 0.3	---	---	< 300	---	< 300	< 300	< 0.3	---
Pentachlorophenol	75	34000	5800	41000	4000	40000	22000	170	33	89	5000
Tetrachlorophenols, Total	< 5	---	210	---	---	1200	---	9	< 5	30	---
Polycyclic Aromatic Hydrocarbons (ug/kg)											
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	121000	1720	40000	< 1000	96	8000	17	< 5	1090	12000
Acenaphthene	< 5	61000	1470	41000	2000	116	22000	28	< 5	406	7000
Acenaphthylene	< 5	< 1000	35	< 1000	< 1000	7	1000	< 5	< 5	8	< 1000
Anthracene	< 5	18000	1120	11000	< 1000	96	3000	194	22	195	2000
Benzo(a)anthracene	7	2000	350	2000	< 1000	63	< 1000	16	< 5	51	< 1000
Benzo(a)pyrene	< 5	< 1000	94	< 1000	< 1000	15	< 1000	5	< 5	14	< 1000
Benzo(b)fluoranthene	< 5	---	100	---	---	22	---	7	< 5	18	---
Benzo(b+k)fluoranthene	---	< 1000	---	< 1000	< 1000	---	< 1000	---	---	---	< 1000
Benzo(ghi)perylene	< 5	< 1000	28	< 1000	< 1000	7	< 1000	< 5	< 5	9	< 1000
Benzo(k)fluoranthene	< 5	---	136	---	---	22	---	8	< 5	19	---
Chrysene	7	2000	400	2000	< 1000	69	1000	20	< 5	62	< 1000
Dibenzo(a,h)anthracene	< 5	---	8	---	---	< 5	---	< 5	< 5	< 5	---
Fluoranthene	22	36000	2050	35000	2000	327	14000	99	17	266	5000
Fluorene	< 5	33000	1120	25000	1000	168	16000	44	< 5	444	4000
Indeno(1,2,3-cd)pyrene	< 5	---	33	---	---	8	---	< 5	< 5	8	---
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	< 1000	---	2000	< 1000	---	2000	---	---	---	< 1000
Naphthalene	< 5	649000	1060	141000	< 1000	53	6000	27	5	8700	53000
Phenanthrene	< 300	82000	4700	79000	2000	1600	30000	< 300	< 300	907	12000
Pyrene	21	37000	1930	33000	1000	331	11000	75	15	264	5000

Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	MW-40	MW-40	MW-40	SS-9
Sample Collection Date	12/01/1997	07/18/2002	07/19/2002	07/19/2002	07/17/2008
Sample Depth (feet bgs)	3.5	55	61	66	0.3
Metals (mg/kg)					
Arsenic	3	< 0.9	< 0.9	< 1.1	8
Cadmium	---	< 0.9	< 0.9	< 1.1	---
Chromium	13	19	7	8	---
Copper	19	---	---	---	---
Zinc	40	272	25	30	---
Dioxins and Furans (ng/kg)					
1,2,3,4,6,7,8-HpCDD	---	---	---	---	31000
1,2,3,4,6,7,8-HpCDF	---	---	---	---	4400
1,2,3,4,7,8,9-HpCDF	---	---	---	---	400
1,2,3,4,7,8-HxCDD	---	---	---	---	360
1,2,3,4,7,8-HxCDF	---	---	---	---	910
1,2,3,6,7,8-HxCDD	---	---	---	---	2100
1,2,3,6,7,8-HxCDF	---	---	---	---	< 480.0
1,2,3,7,8,9-HxCDD	---	---	---	---	950
1,2,3,7,8,9-HxCDF	---	---	---	---	340
1,2,3,7,8-PeCDD	---	---	---	---	180
1,2,3,7,8-PeCDF	---	---	---	---	140
2,3,4,6,7,8-HxCDF	---	---	---	---	560
2,3,4,7,8-PeCDF	---	---	---	---	400
2,3,7,8-TCDD	---	---	---	---	< 4.8
2,3,7,8-TCDF	---	---	---	---	33
OCDD	---	---	---	---	170000
OCDF	---	---	---	---	4200
Total HpCDDs	---	---	---	---	52000
Total HpCDFs	---	---	---	---	4800
Total HxCDDs	---	---	---	---	7500
Total HxCDFs	---	---	---	---	8000
Total PeCDDs	---	---	---	---	440
Total PeCDFs	---	---	---	---	2700
Total TCDDs	---	---	---	---	20
Total TCDFs	---	---	---	---	170
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	1200
Petroleum Hydrocarbons (mg/kg)					
Diesel	< 10	---	---	---	---
Gasoline	< 10	---	---	---	---
Jet fuels	< 10	---	---	---	---
Kerosene	< 10	---	---	---	---
Mineral spirits	< 10	---	---	---	---
Lube Oil	---	---	---	---	---
Other Petroleum Hydrocarbons	< 20	---	---	---	---

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-30	MW-40	MW-40	MW-40	SS-9
Sample Collection Date	12/01/1997	07/18/2002	07/19/2002	07/19/2002	07/17/2008
Sample Depth (feet bgs)	3.5	55	61	66	0.3
Semivolatile Organic Compounds (ug/kg)					
2,4,5-Trichlorophenol	< 300	---	---	---	---
2,4,6-Trichlorophenol	< 300	---	---	---	---
Dibenzofuran	< 5	5200	54	35	---
2-Methylphenol	< 300	---	---	---	---
3- & 4-Methylphenol	< 300	---	---	---	---
Carbazole	< 300	---	---	---	---
Pentachlorophenol	75	---	---	---	596
Tetrachlorophenols, Total	< 5	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)					
1-Methylnaphthalene	---	---	---	---	< 7.06
2-Methylnaphthalene	< 5	15000	< 5.6	< 6.5	11.3
Acenaphthene	< 5	12000	66	54	23.3
Acenaphthylene	< 5	390	< 5.6	< 6.5	105
Anthracene	< 5	6000	100	37	90.3
Benzo(a)anthracene	7	3000	62	26	39.5
Benzo(a)pyrene	< 5	1600	31	12	92.4
Benzo(b)fluoranthene	< 5	1400	30	13	164
Benzo(b+k)fluoranthene	---	---	---	---	---
Benzo(ghi)perylene	< 5	370	7	< 6.5	77.6
Benzo(k)fluoranthene	< 5	1600	33	15	35.3
Chrysene	7	2800	63	29	42.3
Dibenzo(a,h)anthracene	< 5	140	< 5.6	< 6.5	50.8
Fluoranthene	22	12000	250	120	103
Fluorene	< 5	8800	93	48	52.2
Indeno(1,2,3-cd)pyrene	< 5	550	9	< 6.5	83.9
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---
Naphthalene	< 5	43000	7	7.8	< 7.06
Phenanthrene	< 300	24000	400	170	64.9
Pyrene	21	10000	210	100	69.8

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Table A-1
Cell 1 Analytical Results
Port of Ridgefield
Ridgefield, Washington

NOTES:
--- = not analyzed.
bgs = below ground surface.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
TEQ = toxicity equivalent. Calculated using World Health Organization 2005 methodology.
ug/kg = micrograms per kilogram.

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-10	B-10	B-10	B-100	B-100	B-100	B-101	B-101	B-103
Sample Collection Date	0	0	10.5	16	15	45	65	10	33	2.5
Sample Depth (feet bgs)	11/07/2000	02/04/1991	02/04/1991	02/04/1991	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-10	B-10	B-10	B-100	B-100	B-100	B-101	B-101	B-103
Sample Collection Date	0	0	10.5	16	15	45	65	10	33	2.5
Sample Depth (feet bgs)	11/07/2000	02/04/1991	02/04/1991	02/04/1991	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	< 50	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	< 20	---	---	---	---	---	---	---	---	---
Diesel	240	---	---	---	< 10	---	---	---	---	---
Gasoline	---	---	---	---	< 10	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	< 25	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	< 10	---	---	---	---	---
Kerosene	---	---	---	---	< 10	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	< 25	---	---	---	---	---
Mineral spirits	---	---	---	---	< 10	---	---	---	---	---
Naphtha Distillate	---	---	---	---	< 10	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	< 50	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	< 25	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	1200	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-10	B-10	B-10	B-100	B-100	B-100	B-101	B-101	B-103
Sample Collection Date	0	0	10.5	16	15	45	65	10	33	2.5
Sample Depth (feet bgs)	11/07/2000	02/04/1991	02/04/1991	02/04/1991	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-10	B-10	B-10	B-100	B-100	B-100	B-101	B-101	B-103
Sample Collection Date	0	0	10.5	16	15	45	65	10	33	2.5
Sample Depth (feet bgs)	11/07/2000	02/04/1991	02/04/1991	02/04/1991	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50
2,3,4,6-Tetrachlorophenol	---	---	< 2500	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50
2,3,5-Trichlorophenol	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	---	---	< 300	---	---	< 50	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	---	---	< 300	---	---	< 50	< 50	< 50	< 50	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	< 2500	< 2500	< 2500	---	---	---	---	---	---
3-Methylphenol	---	< 2500	< 2500	< 2500	---	---	---	---	---	---
4-Methylphenol	---	< 2500	< 2500	< 2500	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	< 300	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-10	B-10	B-10	B-100	B-100	B-100	B-101	B-101	B-103
Sample Collection Date	0	0	10.5	16	15	45	65	10	33	2.5
Sample Depth (feet bgs)	11/07/2000	02/04/1991	02/04/1991	02/04/1991	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	< 300	---	---	---	---	---	---	---
Dibenzofuran	---	---	< 2.5	---	---	< 5	< 5	< 5	< 5	< 5
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	---	15000	17000	7700	---	< 100	< 100	< 100	< 100	< 100
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	< 3	---	---	< 5	< 5	< 5	< 5	< 5
Acenaphthene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Anthracene	---	---	< 2.5	---	---	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	---	---	< 3	---	---	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	< 2.5	---	---	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Chrysene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	---	---	< 2.5	---	---	< 5	< 5	< 5	< 5	< 5
Fluorene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	---	---	< 2.5	---	---	< 5	< 5	< 5	< 5	< 5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-10	B-10	B-10	B-100	B-100	B-100	B-101	B-101	B-103
Sample Collection Date	0	0	10.5	16	15	45	65	10	33	2.5
Sample Depth (feet bgs)	11/07/2000	02/04/1991	02/04/1991	02/04/1991	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	< 2.5	---	---	9	< 5	9	< 5	< 5
Phenanthrene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10
Pyrene	---	---	< 2.5	---	---	< 10	< 10	< 10	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-104	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107
Sample Collection Date	5	10	25	5	10	25	5	15	5	15
Sample Depth (feet bgs)	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/04/1999	06/04/1999	06/04/1999	06/04/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-104	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107
Sample Collection Date	5	10	25	5	10	25	5	15	5	15
Sample Depth (feet bgs)	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/04/1999	06/04/1999	06/04/1999	06/04/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-104	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107
Sample Collection Date	5	10	25	5	10	25	5	15	5	15
Sample Depth (feet bgs)	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/04/1999	06/04/1999	06/04/1999	06/04/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-104	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107
Sample Collection Date	5	10	25	5	10	25	5	15	5	15
Sample Depth (feet bgs)	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/04/1999	06/04/1999	06/04/1999	06/04/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-104	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107
Sample Collection Date	5	10	25	5	10	25	5	15	5	15
Sample Depth (feet bgs)	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/04/1999	06/04/1999	06/04/1999	06/04/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	8	< 5	< 5	120	400	< 5	< 5	65	< 5	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-104	B-104	B-104	B-105	B-105	B-105	B-106	B-106	B-107	B-107
Sample Collection Date	5	10	25	5	10	25	5	15	5	15
Sample Depth (feet bgs)	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/03/1999	06/04/1999	06/04/1999	06/04/1999	06/04/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-107	B-107	B-108	B-108	B-109	B-109	B-109	B-109	B-11	B-11
Sample Collection Date	25	45	5	10	5	10	25	40	3	13.5
Sample Depth (feet bgs)	06/07/1999	06/07/1999	06/07/1999	06/07/1999	06/08/1999	06/08/1999	06/08/1999	06/08/1999	02/04/1991	02/04/1991
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-107	B-107	B-108	B-108	B-109	B-109	B-109	B-109	B-11	B-11
Sample Collection Date	25	45	5	10	5	10	25	40	3	13.5
Sample Depth (feet bgs)	06/07/1999	06/07/1999	06/07/1999	06/07/1999	06/08/1999	06/08/1999	06/08/1999	06/08/1999	02/04/1991	02/04/1991
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-107	B-107	B-108	B-108	B-109	B-109	B-109	B-109	B-11	B-11
Sample Collection Date	25	45	5	10	5	10	25	40	3	13.5
Sample Depth (feet bgs)	06/07/1999	06/07/1999	06/07/1999	06/07/1999	06/08/1999	06/08/1999	06/08/1999	06/08/1999	02/04/1991	02/04/1991
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-107	B-107	B-108	B-108	B-109	B-109	B-109	B-109	B-11	B-11
Sample Collection Date	25	45	5	10	5	10	25	40	3	13.5
Sample Depth (feet bgs)	06/07/1999	06/07/1999	06/07/1999	06/07/1999	06/08/1999	06/08/1999	06/08/1999	06/08/1999	02/04/1991	02/04/1991
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	< 2500	< 2500
3-Methylphenol	---	---	---	---	---	---	---	---	< 2500	< 2500
4-Methylphenol	---	---	---	---	---	---	---	---	< 2500	< 2500
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-107	B-107	B-108	B-108	B-109	B-109	B-109	B-109	B-11	B-11
Sample Collection Date	25	45	5	10	5	10	25	40	3	13.5
Sample Depth (feet bgs)	06/07/1999	06/07/1999	06/07/1999	06/07/1999	06/08/1999	06/08/1999	06/08/1999	06/08/1999	02/04/1991	02/04/1991
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	6.3	< 5	< 2500	< 2500
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-107	B-107	B-108	B-108	B-109	B-109	B-109	B-109	B-11	B-11
Sample Collection Date	25	45	5	10	5	10	25	40	3	13.5
Sample Depth (feet bgs)	06/07/1999	06/07/1999	06/07/1999	06/07/1999	06/08/1999	06/08/1999	06/08/1999	06/08/1999	02/04/1991	02/04/1991
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-110	B-110	B-110	B-110	B-111	B-112	B-112	B-113	B-114	B-114
Sample Collection Date	5	10	25	43	30	10	30	25	10	15
Sample Depth (feet bgs)	06/08/1999	06/08/1999	06/08/1999	06/08/1999	06/10/1999	06/10/1999	06/10/1999	06/11/1999	06/11/1999	06/11/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-110	B-110	B-110	B-110	B-111	B-112	B-112	B-113	B-114	B-114
Sample Collection Date	5	10	25	43	30	10	30	25	10	15
Sample Depth (feet bgs)	06/08/1999	06/08/1999	06/08/1999	06/08/1999	06/10/1999	06/10/1999	06/10/1999	06/11/1999	06/11/1999	06/11/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-110	B-110	B-110	B-110	B-111	B-112	B-112	B-113	B-114	B-114
Sample Collection Date	5	10	25	43	30	10	30	25	10	15
Sample Depth (feet bgs)	06/08/1999	06/08/1999	06/08/1999	06/08/1999	06/10/1999	06/10/1999	06/10/1999	06/11/1999	06/11/1999	06/11/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-110	B-110	B-110	B-110	B-111	B-112	B-112	B-113	B-114	B-114
Sample Collection Date	5	10	25	43	30	10	30	25	10	15
Sample Depth (feet bgs)	06/08/1999	06/08/1999	06/08/1999	06/08/1999	06/10/1999	06/10/1999	06/10/1999	06/11/1999	06/11/1999	06/11/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 500	< 5	< 50	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-110	B-110	B-110	B-110	B-111	B-112	B-112	B-113	B-114	B-114
Sample Collection Date	5	10	25	43	30	10	30	25	10	15
Sample Depth (feet bgs)	06/08/1999	06/08/1999	06/08/1999	06/08/1999	06/10/1999	06/10/1999	06/10/1999	06/11/1999	06/11/1999	06/11/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 46	26	< 5	660	< 5	65	10	88	< 5	13
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	10	< 5	< 5	< 500	< 5	190	< 5	13	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-110	B-110	B-110	B-110	B-111	B-112	B-112	B-113	B-114	B-114
Sample Collection Date	5	10	25	43	30	10	30	25	10	15
Sample Depth (feet bgs)	06/08/1999	06/08/1999	06/08/1999	06/08/1999	06/10/1999	06/10/1999	06/10/1999	06/11/1999	06/11/1999	06/11/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-114	B-115	B-115	B-116	B-116	B-116	B-117	B-117	B-117	B-117
Sample Collection Date	30	10	15	10	40	95	5	15	65	90
Sample Depth (feet bgs)	06/14/1999	06/14/1999	06/14/1999	06/14/1999	06/15/1999	06/15/1999	06/15/1999	06/15/1999	06/16/1999	06/16/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-114	B-115	B-115	B-116	B-116	B-116	B-117	B-117	B-117	B-117
Sample Collection Date	30	10	15	10	40	95	5	15	65	90
Sample Depth (feet bgs)	06/14/1999	06/14/1999	06/14/1999	06/14/1999	06/15/1999	06/15/1999	06/15/1999	06/15/1999	06/16/1999	06/16/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-114	B-115	B-115	B-116	B-116	B-116	B-117	B-117	B-117	B-117
Sample Collection Date	30	10	15	10	40	95	5	15	65	90
Sample Depth (feet bgs)	06/14/1999	06/14/1999	06/14/1999	06/14/1999	06/15/1999	06/15/1999	06/15/1999	06/15/1999	06/16/1999	06/16/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-114	B-115	B-115	B-116	B-116	B-116	B-117	B-117	B-117	B-117
Sample Collection Date	30	10	15	10	40	95	5	15	65	90
Sample Depth (feet bgs)	06/14/1999	06/14/1999	06/14/1999	06/14/1999	06/15/1999	06/15/1999	06/15/1999	06/15/1999	06/16/1999	06/16/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-114	B-115	B-115	B-116	B-116	B-116	B-117	B-117	B-117	B-117
Sample Collection Date	30	10	15	10	40	95	5	15	65	90
Sample Depth (feet bgs)	06/14/1999	06/14/1999	06/14/1999	06/14/1999	06/15/1999	06/15/1999	06/15/1999	06/15/1999	06/16/1999	06/16/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	< 5	< 5	24	< 5	16	< 5	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-114	B-115	B-115	B-116	B-116	B-116	B-117	B-117	B-117	B-117
Sample Collection Date	30	10	15	10	40	95	5	15	65	90
Sample Depth (feet bgs)	06/14/1999	06/14/1999	06/14/1999	06/14/1999	06/15/1999	06/15/1999	06/15/1999	06/15/1999	06/16/1999	06/16/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-119	B-119	B-119	B-12	B-12	B-13	B-139	B-139	B-139	B-14
Sample Collection Date	2.5	5	15	3	13	15.5	2.5	5	20	8
Sample Depth (feet bgs)	06/17/1999	06/17/1999	06/17/1999	02/05/1991	02/05/1991	02/05/1991	10/04/1999	10/04/1999	10/04/1999	02/05/1991
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-119	B-119	B-119	B-12	B-12	B-13	B-139	B-139	B-139	B-14
Sample Collection Date	2.5	5	15	3	13	15.5	2.5	5	20	8
Sample Depth (feet bgs)	06/17/1999	06/17/1999	06/17/1999	02/05/1991	02/05/1991	02/05/1991	10/04/1999	10/04/1999	10/04/1999	02/05/1991
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	< 10	< 10	---	---	---	---	---	---	---
Gasoline	< 10	< 10	< 10	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	---	---	---	---	---	---	---
Kerosene	< 10	< 10	< 10	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	< 25	34	< 25	---	---	---	---	---	---	---
Mineral spirits	< 10	< 10	< 10	---	---	---	---	---	---	---
Naphtha Distillate	< 10	< 10	< 10	---	---	---	---	---	---	---
Non-PHC as Diesel	< 50	< 50	< 50	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	< 25	< 25	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,1,1-Trichloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,1,2-Trichloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,1-Dichloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,1-Dichloroethene	---	---	---	---	---	---	< 5	< 5	< 5	---
1,1-Dichloropropene	---	---	---	---	---	---	< 5	< 5	< 5	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
1,2,3-Trichloropropane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	< 20	< 20	< 20	---
1,2-Dibromoethane	---	---	---	---	---	---	< 20	< 20	< 20	---
1,2-Dichlorobenzene	---	---	---	---	---	---	< 5	< 5	< 5	---
1,2-Dichloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-119	B-119	B-119	B-12	B-12	B-13	B-139	B-139	B-139	B-14
Sample Collection Date	2.5	5	15	3	13	15.5	2.5	5	20	8
Sample Depth (feet bgs)	06/17/1999	06/17/1999	06/17/1999	02/05/1991	02/05/1991	02/05/1991	10/04/1999	10/04/1999	10/04/1999	02/05/1991
1,2-Dichloropropane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
1,3-Dichlorobenzene	---	---	---	---	---	---	< 5	< 5	< 5	---
1,3-Dichloropropane	---	---	---	---	---	---	< 5	< 5	< 5	---
1,4-Dichlorobenzene	---	---	---	---	---	---	< 5	< 5	< 5	---
2,2-Dichloropropane	---	---	---	---	---	---	< 5	< 5	< 5	---
2-Butanone	---	---	---	---	---	---	64	< 20	< 20	---
2-Chlorotoluene	---	---	---	---	---	---	< 20	< 20	< 20	---
2-Hexanone	---	---	---	---	---	---	< 20	< 20	< 20	---
4-Chlorotoluene	---	---	---	---	---	---	< 20	< 20	< 20	---
4-Isopropyltoluene	---	---	---	---	---	---	< 20	< 20	< 20	---
4-Methyl-2-pentanone	---	---	---	---	---	---	< 20	< 20	< 20	---
Acetone	---	---	---	---	---	---	300	< 50	< 50	---
Benzene	---	---	---	---	---	---	< 5	< 5	< 5	---
Bromobenzene	---	---	---	---	---	---	< 5	< 5	< 5	---
Bromodichloromethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Bromoform	---	---	---	---	---	---	< 5	< 5	< 5	---
Bromomethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Carbon disulfide	---	---	---	---	---	---	< 5	< 5	< 5	---
Carbon tetrachloride	---	---	---	---	---	---	< 5	< 5	< 5	---
Chlorobenzene	---	---	---	---	---	---	< 5	< 5	< 5	---
Chlorobromomethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Chloroethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Chloroform	---	---	---	---	---	---	< 5	< 5	< 5	---
Chloromethane	---	---	---	---	---	---	< 5	< 5	< 5	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	< 5	< 5	< 5	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	< 5	< 5	< 5	---
Dibromochloromethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Dibromomethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Dichlorodifluoromethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Ethylbenzene	---	---	---	---	---	---	< 5	< 5	< 5	---
Isopropylbenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
m,p-Xylene	---	---	---	---	---	---	< 5	< 5	< 5	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	11	< 10	< 10	---
n-Butylbenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
n-Propylbenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
o-Xylene	---	---	---	---	---	---	< 5	< 5	< 5	---
sec-Butylbenzene	---	---	---	---	---	---	< 20	< 20	< 20	---
Styrene	---	---	---	---	---	---	< 5	< 5	< 5	---
tert-Butylbenzene	---	---	---	---	---	---	< 0.02	< 0.02	< 0.02	---
Tetrachloroethene	---	---	---	---	---	---	< 5	< 5	< 5	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-119	B-119	B-119	B-12	B-12	B-13	B-139	B-139	B-139	B-14
Sample Collection Date	2.5	5	15	3	13	15.5	2.5	5	20	8
Sample Depth (feet bgs)	06/17/1999	06/17/1999	06/17/1999	02/05/1991	02/05/1991	02/05/1991	10/04/1999	10/04/1999	10/04/1999	02/05/1991
Toluene	---	---	---	---	---	---	< 5	< 5	< 5	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	< 5	< 5	< 5	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	< 5	< 5	< 5	---
Trichloroethene	---	---	---	---	---	---	< 5	< 5	< 5	---
Trichlorofluoromethane	---	---	---	---	---	---	< 5	< 5	< 5	---
Vinyl chloride	---	---	---	---	---	---	< 5	< 5	< 5	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	---	---	---	< 5	< 5	< 5	---
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	< 2500	< 2500	< 2500	---	---	---	< 2500
3-Methylphenol	---	---	---	< 2500	< 2500	< 2500	---	---	---	< 2500
4-Methylphenol	---	---	---	< 2500	< 2500	< 2500	---	---	---	< 2500
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-119	B-119	B-119	B-12	B-12	B-13	B-139	B-139	B-139	B-14
Sample Collection Date	2.5	5	15	3	13	15.5	2.5	5	20	8
Sample Depth (feet bgs)	06/17/1999	06/17/1999	06/17/1999	02/05/1991	02/05/1991	02/05/1991	10/04/1999	10/04/1999	10/04/1999	02/05/1991
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	< 20	< 20	< 20	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	< 2500	< 2500	< 2500	< 5	< 5	< 5	< 2500
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	---	---	---	< 5	< 5	< 5	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-119	B-119	B-119	B-12	B-12	B-13	B-139	B-139	B-139	B-14
Sample Collection Date	2.5	5	15	3	13	15.5	2.5	5	20	8
Sample Depth (feet bgs)	06/17/1999	06/17/1999	06/17/1999	02/05/1991	02/05/1991	02/05/1991	10/04/1999	10/04/1999	10/04/1999	02/05/1991
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	< 20	< 20	< 20	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-14	B-140	B-147	B-149	B-15	B-15	B-153	B-153	B-155	B-155
Sample Collection Date	13	10	20	20	3	15.5	5	10	5	9
Sample Depth (feet bgs)	02/05/1991	10/06/1999	10/08/1999	10/08/1999	02/05/1991	02/05/1991	10/11/1999	10/11/1999	10/12/1999	10/12/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	14	---	---	---	---	---	8	6	6
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	29	---	---	---	---	---	31	22	43
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	27	---	---	---	---	---	20	21	28
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	89	---	---	---	---	---	73	83	92
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-14	B-140	B-147	B-149	B-15	B-15	B-153	B-153	B-155	B-155
Sample Collection Date	13	10	20	20	3	15.5	5	10	5	9
Sample Depth (feet bgs)	02/05/1991	10/06/1999	10/08/1999	10/08/1999	02/05/1991	02/05/1991	10/11/1999	10/11/1999	10/12/1999	10/12/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Gasoline	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	< 25	---	---	---	---	---	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Kerosene	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	---	< 25	---	---	---	---	---	< 25	110	< 25
Mineral spirits	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Naphtha Distillate	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Non-PHC as Diesel	---	< 50	---	---	---	---	---	< 50	< 50	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	< 25	---	---	---	---	---	29	56	40
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,1,1-Trichloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,1,2-Trichloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,1-Dichloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,1-Dichloroethene	---	---	---	---	---	---	---	< 100	< 200	< 200
1,1-Dichloropropene	---	---	---	---	---	---	---	< 100	< 200	< 200
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
1,2,3-Trichloropropane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	< 400	< 800	< 800
1,2-Dibromoethane	---	---	---	---	---	---	---	< 400	< 800	< 800
1,2-Dichlorobenzene	---	---	---	---	---	---	---	< 100	< 200	< 200
1,2-Dichloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-14	B-140	B-147	B-149	B-15	B-15	B-153	B-153	B-155	B-155
Sample Collection Date	13	10	20	20	3	15.5	5	10	5	9
Sample Depth (feet bgs)	02/05/1991	10/06/1999	10/08/1999	10/08/1999	02/05/1991	02/05/1991	10/11/1999	10/11/1999	10/12/1999	10/12/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
1,3-Dichlorobenzene	---	---	---	---	---	---	---	< 100	< 200	< 200
1,3-Dichloropropane	---	---	---	---	---	---	---	< 100	< 200	< 200
1,4-Dichlorobenzene	---	---	---	---	---	---	---	< 100	< 200	< 200
2,2-Dichloropropane	---	---	---	---	---	---	---	< 100	< 200	< 200
2-Butanone	---	---	---	---	---	---	---	< 4000	< 8000	< 8000
2-Chlorotoluene	---	---	---	---	---	---	---	< 400	< 800	< 800
2-Hexanone	---	---	---	---	---	---	---	< 4000	< 8000	< 8000
4-Chlorotoluene	---	---	---	---	---	---	---	< 400	< 800	< 800
4-Isopropyltoluene	---	---	---	---	---	---	---	< 400	< 800	< 800
4-Methyl-2-pentanone	---	---	---	---	---	---	---	< 4000	< 8000	< 8000
Acetone	---	---	---	---	---	---	---	< 4000	< 8000	< 8000
Benzene	---	---	---	---	---	---	---	< 100	< 200	< 200
Bromobenzene	---	---	---	---	---	---	---	< 100	< 200	< 200
Bromodichloromethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Bromoform	---	---	---	---	---	---	---	< 100	< 200	< 200
Bromomethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Carbon disulfide	---	---	---	---	---	---	---	< 100	< 200	< 200
Carbon tetrachloride	---	---	---	---	---	---	---	< 100	< 200	< 200
Chlorobenzene	---	---	---	---	---	---	---	< 100	< 200	< 200
Chlorobromomethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Chloroethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Chloroform	---	---	---	---	---	---	---	< 100	< 200	< 200
Chloromethane	---	---	---	---	---	---	---	< 100	< 200	< 200
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 100	< 200	< 200
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 100	< 200	< 200
Dibromochloromethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Dibromomethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Dichlorodifluoromethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Ethylbenzene	---	---	---	---	---	---	---	< 100	< 200	< 200
Isopropylbenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
m,p-Xylene	---	---	---	---	---	---	---	< 100	< 200	< 200
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	300	< 400	< 400
n-Butylbenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
n-Propylbenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
o-Xylene	---	---	---	---	---	---	---	< 100	< 200	< 200
sec-Butylbenzene	---	---	---	---	---	---	---	< 400	< 800	< 800
Styrene	---	---	---	---	---	---	---	< 100	< 200	< 200
tert-Butylbenzene	---	---	---	---	---	---	---	< 0.4	< 0.8	< 0.8
Tetrachloroethene	---	---	---	---	---	---	---	< 100	< 200	< 200

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-14	B-140	B-147	B-149	B-15	B-15	B-153	B-153	B-155	B-155
Sample Collection Date	13	10	20	20	3	15.5	5	10	5	9
Sample Depth (feet bgs)	02/05/1991	10/06/1999	10/08/1999	10/08/1999	02/05/1991	02/05/1991	10/11/1999	10/11/1999	10/12/1999	10/12/1999
Toluene	---	---	---	---	---	---	---	< 100	< 200	< 200
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	< 100	< 200	< 200
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 100	< 200	< 200
Trichloroethene	---	---	---	---	---	---	---	< 100	< 200	< 200
Trichlorofluoromethane	---	---	---	---	---	---	---	< 100	< 200	< 200
Vinyl chloride	---	---	---	---	---	---	---	< 100	< 200	< 200
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
2,3,5-Trichlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
2,3,6-Trichlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
2,4,5-Trichlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
2,4,6-Trichlorophenol	---	< 50	< 5	< 5	---	---	< 5	< 50	< 50	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	< 2500	---	---	---	< 2500	< 2500	---	---	---	---
3-Methylphenol	< 2500	---	---	---	< 2500	< 2500	---	---	---	---
4-Methylphenol	< 2500	---	---	---	< 2500	< 2500	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	< 50	---	---	---	---	---	< 50	< 50	< 50
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-14	B-140	B-147	B-149	B-15	B-15	B-153	B-153	B-155	B-155
Sample Collection Date	13	10	20	20	3	15.5	5	10	5	9
Sample Depth (feet bgs)	02/05/1991	10/06/1999	10/08/1999	10/08/1999	02/05/1991	02/05/1991	10/11/1999	10/11/1999	10/12/1999	10/12/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	140	---	---	---	---	---	10	68	< 10
Dibenzofuran	---	130	---	---	---	---	---	21	< 10	10
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	29	---	---	---	---	---	18	450	20
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	< 400	< 800	< 800
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 2500	59	< 5	< 5	4300	30000	< 5	53	< 40	< 40
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	< 5	< 5	< 5	---	---	< 5	8.7	16	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	< 1300	---	---	---	---	---	12	730	18
Acenaphthene	---	< 410	---	---	---	---	---	76	640	22
Acenaphthylene	---	< 10	---	---	---	---	---	< 50	< 50	< 50
Anthracene	---	28	---	---	---	---	---	< 10	99	< 10
Benzo(a)anthracene	---	< 10	---	---	---	---	---	< 10	54	< 10
Benzo(a)pyrene	---	< 10	---	---	---	---	---	< 10	16	< 10
Benzo(b)fluoranthene	---	< 10	---	---	---	---	---	< 10	30	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Benzo(k)fluoranthene	---	< 10	---	---	---	---	---	< 10	30	< 10
Chrysene	---	< 10	---	---	---	---	---	< 10	77	< 10
Dibenzo(a,h)anthracene	---	< 10	---	---	---	---	---	< 10	< 10	< 10
Fluorene	---	180	---	---	---	---	---	22	240	13
Indeno(1,2,3-cd)pyrene	---	< 10	---	---	---	---	---	< 10	11	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-14	B-140	B-147	B-149	B-15	B-15	B-153	B-153	B-155	B-155
Sample Collection Date	13	10	20	20	3	15.5	5	10	5	9
Sample Depth (feet bgs)	02/05/1991	10/06/1999	10/08/1999	10/08/1999	02/05/1991	02/05/1991	10/11/1999	10/11/1999	10/12/1999	10/12/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	1100	---	---	---	---	---	< 400	14000	3700
Phenanthrene	---	320	---	---	---	---	---	46	430	33
Pyrene	---	18	---	---	---	---	---	14	340	17

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-160	B-161	B-162	B-165	B-167	B-170	B-18	B-18	B-18	B-187
Sample Collection Date	10	10	11.5	11.5	20	7.5	5	15	25	11.5
Sample Depth (feet bgs)	10/13/1999	10/13/1999	10/13/1999	10/13/1999	10/14/1999	10/15/1999	05/03/1993	05/03/1993	05/03/1993	10/21/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	4.6	3.7	2.7	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	16	25.1	16.9	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	20.1	16.8	17.4	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-160	B-161	B-162	B-165	B-167	B-170	B-18	B-18	B-18	B-187
Sample Collection Date	10	10	11.5	11.5	20	7.5	5	15	25	11.5
Sample Depth (feet bgs)	10/13/1999	10/13/1999	10/13/1999	10/13/1999	10/14/1999	10/15/1999	05/03/1993	05/03/1993	05/03/1993	10/21/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	---	---	---	---	---	---	---	---	---
Gasoline	< 10	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	---	---	---	---	---	---	---	---	---
Kerosene	< 10	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	< 25	---	---	---	---	---	---	---	---	---
Mineral spirits	< 10	---	---	---	---	---	---	---	---	---
Naphtha Distillate	< 10	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	< 50	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	< 5	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	< 5	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	< 5	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	< 5	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	< 5	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	< 5	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	< 20	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	< 5	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	< 20	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	< 20	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	< 20	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	< 20	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	< 5	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	< 5	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-160	B-161	B-162	B-165	B-167	B-170	B-18	B-18	B-18	B-187
Sample Collection Date	10	10	11.5	11.5	20	7.5	5	15	25	11.5
Sample Depth (feet bgs)	10/13/1999	10/13/1999	10/13/1999	10/13/1999	10/14/1999	10/15/1999	05/03/1993	05/03/1993	05/03/1993	10/21/1999
1,2-Dichloropropane	< 5	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	< 20	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	< 5	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	< 5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	< 5	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	< 5	---	---	---	---	---	---	---	---	---
2-Butanone	< 20	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	< 20	---	---	---	---	---	---	---	---	---
2-Hexanone	< 20	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	< 20	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	< 20	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	< 20	---	---	---	---	---	---	---	---	---
Acetone	< 50	---	---	---	---	---	---	---	---	---
Benzene	< 5	---	---	---	---	---	---	---	---	---
Bromobenzene	< 5	---	---	---	---	---	---	---	---	---
Bromodichloromethane	< 5	---	---	---	---	---	---	---	---	---
Bromoform	< 5	---	---	---	---	---	---	---	---	---
Bromomethane	< 5	---	---	---	---	---	---	---	---	---
Carbon disulfide	< 5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	< 5	---	---	---	---	---	---	---	---	---
Chlorobenzene	< 5	---	---	---	---	---	---	---	---	---
Chlorobromomethane	< 5	---	---	---	---	---	---	---	---	---
Chloroethane	< 5	---	---	---	---	---	---	---	---	---
Chloroform	< 5	---	---	---	---	---	---	---	---	---
Chloromethane	< 5	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	< 5	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	< 5	---	---	---	---	---	---	---	---	---
Dibromochloromethane	< 5	---	---	---	---	---	---	---	---	---
Dibromomethane	< 5	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	< 5	---	---	---	---	---	---	---	---	---
Ethylbenzene	< 5	---	---	---	---	---	---	---	---	---
Isopropylbenzene	< 20	---	---	---	---	---	---	---	---	---
m,p-Xylene	< 5	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	< 10	---	---	---	---	---	---	---	---	---
n-Butylbenzene	< 20	---	---	---	---	---	---	---	---	---
n-Propylbenzene	< 20	---	---	---	---	---	---	---	---	---
o-Xylene	< 5	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	< 20	---	---	---	---	---	---	---	---	---
Styrene	< 5	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	< 0.02	---	---	---	---	---	---	---	---	---
Tetrachloroethene	< 5	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-160	B-161	B-162	B-165	B-167	B-170	B-18	B-18	B-18	B-187
Sample Collection Date	10	10	11.5	11.5	20	7.5	5	15	25	11.5
Sample Depth (feet bgs)	10/13/1999	10/13/1999	10/13/1999	10/13/1999	10/14/1999	10/15/1999	05/03/1993	05/03/1993	05/03/1993	10/21/1999
Toluene	< 5	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	< 5	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	< 5	---	---	---	---	---	---	---	---	---
Trichloroethene	< 5	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	< 5	---	---	---	---	---	---	---	---	---
Vinyl chloride	< 5	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 50	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 50	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	< 50	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	< 50	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 50	< 5	< 5	< 5	< 5	< 50	---	---	---	< 5
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 50	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-160	B-161	B-162	B-165	B-167	B-170	B-18	B-18	B-18	B-187
Sample Collection Date	10	10	11.5	11.5	20	7.5	5	15	25	11.5
Sample Depth (feet bgs)	10/13/1999	10/13/1999	10/13/1999	10/13/1999	10/14/1999	10/15/1999	05/03/1993	05/03/1993	05/03/1993	10/21/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	---	---	---	---	---	---	---	---	---
Dibenzofuran	11	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	< 10	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	< 20	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 40	< 5	15	< 5	< 5	790	---	---	---	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	160	---	---	---	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	40	---	---	---	---	---	---	---	---	---
Acenaphthene	140	---	---	---	---	---	---	---	---	---
Acenaphthylene	< 10	---	---	---	---	---	---	---	---	---
Anthracene	< 10	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	< 10	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	< 10	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	< 10	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	< 10	---	---	---	---	---	---	---	---	---
Chrysene	< 10	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	< 10	---	---	---	---	---	---	---	---	---
Fluorene	31	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	< 10	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-160	B-161	B-162	B-165	B-167	B-170	B-18	B-18	B-18	B-187
Sample Collection Date	10	10	11.5	11.5	20	7.5	5	15	25	11.5
Sample Depth (feet bgs)	10/13/1999	10/13/1999	10/13/1999	10/13/1999	10/14/1999	10/15/1999	05/03/1993	05/03/1993	05/03/1993	10/21/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	28	---	---	---	---	---	---	---	---	---
Phenanthrene	< 10	---	---	---	---	---	---	---	---	---
Pyrene	< 10	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-188	B-188	B-189	B-189	B-19	B-190	B-190	B-190	B-191	B-191
Sample Collection Date	5	11.5	2.5	12	5	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/21/1999	10/21/1999	10/22/1999	10/22/1999	05/03/1993	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	2
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	9
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	5
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	25
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-188	B-188	B-189	B-189	B-19	B-190	B-190	B-190	B-191	B-191
Sample Collection Date	5	11.5	2.5	12	5	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/21/1999	10/21/1999	10/22/1999	10/22/1999	05/03/1993	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	< 10
Gasoline	---	---	---	---	---	---	---	---	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	< 10
Kerosene	---	---	---	---	---	---	---	---	---	< 10
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	< 25
Mineral spirits	---	---	---	---	---	---	---	---	---	< 10
Naphtha Distillate	---	---	---	---	---	---	---	---	---	< 10
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
1,1,1-Trichloroethane	---	---	< 100	100	---	< 50	< 50	< 50	---	---
1,1,2,2-Tetrachloroethane	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
1,1,2-Trichloroethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
1,1-Dichloroethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
1,1-Dichloroethene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
1,1-Dichloropropene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
1,2,3-Trichlorobenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
1,2,3-Trichloropropane	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
1,2,4-Trichlorobenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
1,2,4-Trimethylbenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
1,2-Dibromo-3-chloropropane	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
1,2-Dibromoethane	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
1,2-Dichlorobenzene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
1,2-Dichloroethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-188	B-188	B-189	B-189	B-19	B-190	B-190	B-190	B-191	B-191
Sample Collection Date	5	11.5	2.5	12	5	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/21/1999	10/21/1999	10/22/1999	10/22/1999	05/03/1993	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999
1,2-Dichloropropane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
1,3,5-Trimethylbenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
1,3-Dichlorobenzene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
1,3-Dichloropropane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
1,4-Dichlorobenzene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
2,2-Dichloropropane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
2-Butanone	---	---	< 4000	< 4000	---	< 2000	< 2000	< 2000	---	---
2-Chlorotoluene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
2-Hexanone	---	---	< 4000	< 4000	---	< 2000	< 2000	< 2000	---	---
4-Chlorotoluene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
4-Isopropyltoluene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
4-Methyl-2-pentanone	---	---	< 4000	< 4000	---	< 2000	< 2000	< 2000	---	---
Acetone	---	---	< 4000	< 4000	---	< 2000	< 2000	< 2000	---	---
Benzene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Bromobenzene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
Bromodichloromethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Bromoform	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
Bromomethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Carbon disulfide	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Carbon tetrachloride	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Chlorobenzene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
Chlorobromomethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Chloroethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Chloroform	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Chloromethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
cis-1,2-Dichloroethene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
cis-1,3-Dichloropropene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Dibromochloromethane	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
Dibromomethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Dichlorodifluoromethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Ethylbenzene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
Isopropylbenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
m,p-Xylene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	< 200	< 200	---	< 100	< 100	< 100	---	---
n-Butylbenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
n-Propylbenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
o-Xylene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
sec-Butylbenzene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
Styrene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---
tert-Butylbenzene	---	---	< 0.4	< 2	---	< 0.2	< 0.2	< 0.2	---	---
Tetrachloroethene	---	---	< 100	< 2000	---	< 50	< 50	< 50	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-188	B-188	B-189	B-189	B-19	B-190	B-190	B-190	B-191	B-191
Sample Collection Date	5	11.5	2.5	12	5	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/21/1999	10/21/1999	10/22/1999	10/22/1999	05/03/1993	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999
Toluene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
trans-1,2-Dichloroethene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
trans-1,3-Dichloropropene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Trichloroethene	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Trichlorofluoromethane	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Vinyl chloride	---	---	< 100	< 100	---	< 50	< 50	< 50	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	280	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	< 50
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	< 50
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	< 50
2,4,5-Trichlorophenol	---	---	---	---	390	---	---	---	---	< 50
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	48	< 5	< 5	< 5	< 5	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	< 50
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-188	B-188	B-189	B-189	B-19	B-190	B-190	B-190	B-191	B-191
Sample Collection Date	5	11.5	2.5	12	5	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/21/1999	10/21/1999	10/22/1999	10/22/1999	05/03/1993	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	< 10
Dibenzofuran	---	---	---	---	---	---	---	---	---	< 10
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	< 10
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	< 5	1100	< 5	< 5	< 5	< 5	< 40
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	< 10
Acenaphthene	---	---	---	---	---	---	---	---	---	< 10
Acenaphthylene	---	---	---	---	---	---	---	---	---	< 10
Anthracene	---	---	---	---	---	---	---	---	---	< 10
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	< 10
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	< 10
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	< 10
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	< 10
Chrysene	---	---	---	---	---	---	---	---	---	< 10
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	< 10
Fluorene	---	---	---	---	---	---	---	---	---	< 10
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-188	B-188	B-189	B-189	B-19	B-190	B-190	B-190	B-191	B-191
Sample Collection Date	5	11.5	2.5	12	5	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/21/1999	10/21/1999	10/22/1999	10/22/1999	05/03/1993	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	< 400	< 2000	---	< 200	< 200	< 200	---	< 10
Phenanthrene	---	---	---	---	---	---	---	---	---	< 10
Pyrene	---	---	---	---	---	---	---	---	---	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-192	B-192	B-193	B-193	B-193	B-194	B-194	B-194	B-195	B-195
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/26/1999	10/26/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	2	---	2	14	2	7	3	3	33	4
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	13	---	11	31	22	23	22	31	129	25
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	5	---	17	20	24	16	24	27	53	8
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	26	---	46	191	59	85	85	68	626	72
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-192	B-192	B-193	B-193	B-193	B-194	B-194	B-194	B-195	B-195
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/26/1999	10/26/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Gasoline	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kerosene	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Mineral spirits	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphtha Distillate	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Non-PHC as Diesel	---	---	< 50	< 50	< 50	180	100	420	< 50	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	840	920	< 25	< 25	< 25	< 25	890	230
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-192	B-192	B-193	B-193	B-193	B-194	B-194	B-194	B-195	B-195
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/26/1999	10/26/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-192	B-192	B-193	B-193	B-193	B-194	B-194	B-194	B-195	B-195
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/26/1999	10/26/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 50	---	< 50	< 50	< 50	250	< 50	120	72	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	---	< 50	< 50	< 50	68	76	< 50	74	< 50
2,3,5-Trichlorophenol	< 50	---	< 50	< 50	< 50	< 50	120	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	---	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	---	< 50	< 50	< 50	57	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 5	< 50	< 50	< 50	< 500	< 500	< 50	< 500	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 50	---	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-192	B-192	B-193	B-193	B-193	B-194	B-194	B-194	B-195	B-195
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/26/1999	10/26/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	---	39	79	< 10	700	< 10	800	270	< 10
Dibenzofuran	< 10	---	120	160	< 10	1000	< 10	2100	200	< 10
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	< 10	---	270	3700	< 10	1900	44	4400	2300	90
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 40	< 5	1200	440	< 40	8300	1900	4700	3000	110
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	65	< 50	< 5	580	< 500	< 5	< 500	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 10	---	79	54	< 10	2600	42	3600	130	< 10
Acenaphthene	< 10	---	180	360	< 10	1900	11	3600	370	< 10
Acenaphthylene	< 10	---	< 10	< 10	< 10	27	< 10	51	34	< 10
Anthracene	< 10	---	110	420	< 10	720	< 10	2500	540	41
Benzo(a)anthracene	< 10	---	38	670	< 10	250	15	750	720	36
Benzo(a)pyrene	< 10	---	14	140	< 10	72	12	230	1000	33
Benzo(b)fluoranthene	< 10	---	24	270	< 10	92	20	260	970	93
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	---	< 10	37	< 10	20	11	60	350	22
Benzo(k)fluoranthene	< 10	---	16	170	< 10	76	14	210	850	73
Chrysene	< 10	---	43	740	< 10	230	22	680	1200	110
Dibenzo(a,h)anthracene	< 10	---	< 10	14	< 10	< 10	< 10	20	120	< 10
Fluorene	< 10	---	180	390	< 10	1400	< 10	3000	390	13
Indeno(1,2,3-cd)pyrene	< 10	---	< 10	60	< 10	32	14	99	630	44

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-192	B-192	B-193	B-193	B-193	B-194	B-194	B-194	B-195	B-195
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	10	2.5	5
Sample Depth (feet bgs)	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/25/1999	10/26/1999	10/26/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 10	---	36	62	< 10	23000	880	18000	93	< 10
Phenanthrene	< 10	---	480	1400	< 10	3200	39	9100	1200	27
Pyrene	< 10	---	230	3900	< 10	1500	37	3300	1700	100

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-195	B-196	B-196	B-197	B-197	B-197	B-198	B-198	B-199	B-199
Sample Collection Date	10	3	9	2.5	5	10	2.5	5	2.5	5
Sample Depth (feet bgs)	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999	10/27/1999	10/27/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	4	< 1	2	13	4	5	3	2	3	3
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	29	2	19	18	18	29	9	9	10	8
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	34	11	22	31	13	30	5	6	7	8
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	79	11	60	73	72	72	24	26	27	23
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-195	B-196	B-196	B-197	B-197	B-197	B-198	B-198	B-199	B-199
Sample Collection Date	10	3	9	2.5	5	10	2.5	5	2.5	5
Sample Depth (feet bgs)	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999	10/27/1999	10/27/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	140	< 25	< 25	< 25	< 25	< 25	< 25
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphtha Distillate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Non-PHC as Diesel	110	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	< 25	460	< 25	32	< 25	160	< 25	< 25	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,1,1-Trichloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,1,2,2-Tetrachloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,1,2-Trichloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,1-Dichloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,1-Dichloroethene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,1-Dichloropropene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,2,3-Trichlorobenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
1,2,3-Trichloropropane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,2,4-Trichlorobenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
1,2,4-Trimethylbenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
1,2-Dibromo-3-chloropropane	---	---	---	< 20	---	< 20	< 20	< 20	---	---
1,2-Dibromoethane	---	---	---	< 20	---	< 20	< 20	< 20	---	---
1,2-Dichlorobenzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,2-Dichloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-195	B-196	B-196	B-197	B-197	B-197	B-198	B-198	B-199	B-199
Sample Collection Date	10	3	9	2.5	5	10	2.5	5	2.5	5
Sample Depth (feet bgs)	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999	10/27/1999	10/27/1999
1,2-Dichloropropane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,3,5-Trimethylbenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
1,3-Dichlorobenzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,3-Dichloropropane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
1,4-Dichlorobenzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
2,2-Dichloropropane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
2-Butanone	---	---	---	< 20	---	50	< 20	< 20	---	---
2-Chlorotoluene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
2-Hexanone	---	---	---	< 20	---	< 20	< 20	< 20	---	---
4-Chlorotoluene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
4-Isopropyltoluene	---	---	---	< 20	---	24	< 20	< 20	---	---
4-Methyl-2-pentanone	---	---	---	< 20	---	< 20	< 20	< 20	---	---
Acetone	---	---	---	< 50	---	260	< 50	< 50	---	---
Benzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Bromobenzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Bromodichloromethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Bromoform	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Bromomethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Carbon disulfide	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Carbon tetrachloride	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Chlorobenzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Chlorobromomethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Chloroethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Chloroform	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Chloromethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
cis-1,2-Dichloroethene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
cis-1,3-Dichloropropene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Dibromochloromethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Dibromomethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Dichlorodifluoromethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Ethylbenzene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Isopropylbenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
m,p-Xylene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	< 10	---	< 10	< 10	< 10	---	---
n-Butylbenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
n-Propylbenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
o-Xylene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
sec-Butylbenzene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
Styrene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
tert-Butylbenzene	---	---	---	< 0.02	---	< 0.02	< 0.02	< 0.02	---	---
Tetrachloroethene	---	---	---	< 5	---	< 5	< 5	< 5	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-195	B-196	B-196	B-197	B-197	B-197	B-198	B-198	B-199	B-199
Sample Collection Date	10	3	9	2.5	5	10	2.5	5	2.5	5
Sample Depth (feet bgs)	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999	10/27/1999	10/27/1999
Toluene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
trans-1,2-Dichloroethene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
trans-1,3-Dichloropropene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Trichloroethene	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Trichlorofluoromethane	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Vinyl chloride	---	---	---	< 5	---	< 5	< 5	< 5	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 50	< 50	340	< 50	71	< 50	3500	2200	< 50	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 5000	< 5000	< 50	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-195	B-196	B-196	B-197	B-197	B-197	B-198	B-198	B-199	B-199
Sample Collection Date	10	3	9	2.5	5	10	2.5	5	2.5	5
Sample Depth (feet bgs)	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999	10/27/1999	10/27/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 10	21	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzofuran	< 10	< 10	120	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	61	< 10	430	66	42	< 10	< 10	< 10	< 10	< 10
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	< 20	---	< 20	< 20	< 20	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 40	< 40	17000	210	980	41	230000	40000	140	40
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 500	< 50	110	< 5	< 5000	< 5000	< 50	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 10	< 10	770	< 10	< 10	< 10	11	< 10	< 10	< 10
Acenaphthene	45	< 10	260	15	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Anthracene	< 10	< 10	56	25	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)anthracene	< 10	< 10	78	25	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	< 10	< 10	15	22	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	< 10	< 10	47	68	13	< 10	< 10	< 10	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	< 10	< 10	38	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	< 10	< 10	35	62	14	< 10	< 10	< 10	< 10	< 10
Chrysene	12	< 10	120	88	20	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Fluorene	14	< 10	140	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	< 10	< 10	12	44	< 10	< 10	< 10	< 10	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-195	B-196	B-196	B-197	B-197	B-197	B-198	B-198	B-199	B-199
Sample Collection Date	10	3	9	2.5	5	10	2.5	5	2.5	5
Sample Depth (feet bgs)	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/26/1999	10/27/1999	10/27/1999	10/27/1999	10/27/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	120	< 10	790	20	< 10	< 20	< 20	< 20	< 10	< 10
Phenanthrene	33	< 10	450	48	25	< 10	30	< 10	< 10	< 10
Pyrene	57	< 10	310	55	38	< 10	< 10	< 10	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-199	B-199	B-199	B-2	B-20	B-20	B-200	B-200	B-201	B-201
Sample Collection Date	10	15	20	0	5	20	2.5	5	2.5	5
Sample Depth (feet bgs)	10/27/1999	10/27/1999	01/01/2002	11/07/2000	05/03/1993	05/03/1993	10/27/1999	10/27/1999	10/28/1999	10/28/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	7	5	---	---	7.9	3.1	4	3	8	3
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	17	15	---	---	15.7	7.4	12	10	12	10
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	13	20	---	---	30	16.5	8	6	10	6
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	64	41	---	---	---	---	40	27	101	27
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-199	B-199	B-199	B-2	B-20	B-20	B-200	B-200	B-201	B-201
Sample Collection Date	10	15	20	0	5	20	2.5	5	2.5	5
Sample Depth (feet bgs)	10/27/1999	10/27/1999	01/01/2002	11/07/2000	05/03/1993	05/03/1993	10/27/1999	10/27/1999	10/28/1999	10/28/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	< 50	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	< 20	---	---	---	---	---	---
Diesel	< 10	< 10	---	150	---	---	< 10	< 10	< 10	< 10
Gasoline	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	---	---	---	---	< 25	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Kerosene	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	< 25	< 25	---	---	---	---	< 25	< 25	< 25	< 25
Mineral spirits	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Naphtha Distillate	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Non-PHC as Diesel	< 50	< 50	---	---	---	---	< 50	< 50	< 50	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	< 25	---	---	---	---	< 25	< 25	< 25	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	810	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,1,1-Trichloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,1,2,2-Tetrachloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,1,2-Trichloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,1-Dichloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,1-Dichloroethene	< 5	< 5	---	---	---	---	---	< 5	---	---
1,1-Dichloropropene	< 5	< 5	---	---	---	---	---	< 5	---	---
1,2,3-Trichlorobenzene	< 20	< 20	---	---	---	---	---	< 0.02	---	---
1,2,3-Trichloropropane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,2,4-Trichlorobenzene	< 20	< 20	---	---	---	---	---	< 0.02	---	---
1,2,4-Trimethylbenzene	< 20	< 20	---	---	---	---	---	< 20	---	---
1,2-Dibromo-3-chloropropane	< 20	< 20	---	---	---	---	---	< 20	---	---
1,2-Dibromoethane	< 20	< 20	---	---	---	---	---	< 20	---	---
1,2-Dichlorobenzene	< 5	< 5	---	---	---	---	---	< 5	---	---
1,2-Dichloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-199	B-199	B-199	B-2	B-20	B-20	B-200	B-200	B-201	B-201
Sample Collection Date	10	15	20	0	5	20	2.5	5	2.5	5
Sample Depth (feet bgs)	10/27/1999	10/27/1999	01/01/2002	11/07/2000	05/03/1993	05/03/1993	10/27/1999	10/27/1999	10/28/1999	10/28/1999
1,2-Dichloropropane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,3,5-Trimethylbenzene	< 20	< 20	---	---	---	---	---	< 20	---	---
1,3-Dichlorobenzene	< 5	< 5	---	---	---	---	---	< 5	---	---
1,3-Dichloropropane	< 5	< 5	---	---	---	---	---	< 5	---	---
1,4-Dichlorobenzene	< 5	< 5	---	---	---	---	---	< 5	---	---
2,2-Dichloropropane	< 5	< 5	---	---	---	---	---	< 5	---	---
2-Butanone	< 20	< 20	---	---	---	---	---	---	---	---
2-Chlorotoluene	< 20	< 20	---	---	---	---	---	---	---	---
2-Hexanone	< 20	< 20	---	---	---	---	---	---	---	---
4-Chlorotoluene	< 20	< 20	---	---	---	---	---	---	---	---
4-Isopropyltoluene	< 20	< 20	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	< 20	< 20	---	---	---	---	---	< 20	---	---
Acetone	< 50	< 50	---	---	---	---	---	< 50	---	---
Benzene	< 5	< 5	---	---	---	---	---	< 5	---	---
Bromobenzene	< 5	< 5	---	---	---	---	---	< 5	---	---
Bromodichloromethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Bromoform	< 5	< 5	---	---	---	---	---	< 5	---	---
Bromomethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Carbon disulfide	< 5	< 5	---	---	---	---	---	< 5	---	---
Carbon tetrachloride	< 5	< 5	---	---	---	---	---	< 5	---	---
Chlorobenzene	< 5	< 5	---	---	---	---	---	< 5	---	---
Chlorobromomethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Chloroethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Chloroform	< 5	< 5	---	---	---	---	---	< 5	---	---
Chloromethane	< 5	< 5	---	---	---	---	---	< 5	---	---
cis-1,2-Dichloroethene	< 5	< 5	---	---	---	---	---	< 5	---	---
cis-1,3-Dichloropropene	< 5	< 5	---	---	---	---	---	< 5	---	---
Dibromochloromethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Dibromomethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Dichlorodifluoromethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Ethylbenzene	< 5	< 5	---	---	---	---	---	< 5	---	---
Isopropylbenzene	< 20	< 20	---	---	---	---	---	---	---	---
m,p-Xylene	< 5	< 5	---	---	---	---	---	< 5	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	< 10	< 10	---	---	---	---	---	< 10	---	---
n-Butylbenzene	< 20	< 20	---	---	---	---	---	---	---	---
n-Propylbenzene	< 20	< 20	---	---	---	---	---	< 20	---	---
o-Xylene	< 5	< 5	---	---	---	---	---	< 5	---	---
sec-Butylbenzene	< 20	< 20	---	---	---	---	---	< 20	---	---
Styrene	< 5	< 5	---	---	---	---	---	< 5	---	---
tert-Butylbenzene	< 0.02	< 0.02	---	---	---	---	---	< 0.02	---	---
Tetrachloroethene	< 5	< 5	---	---	---	---	---	< 5	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-199	B-199	B-199	B-2	B-20	B-20	B-200	B-200	B-201	B-201
Sample Collection Date	10	15	20	0	5	20	2.5	5	2.5	5
Sample Depth (feet bgs)	10/27/1999	10/27/1999	01/01/2002	11/07/2000	05/03/1993	05/03/1993	10/27/1999	10/27/1999	10/28/1999	10/28/1999
Toluene	< 5	< 5	---	---	---	---	---	< 5	---	---
trans-1,2-Dichloroethene	< 5	< 5	---	---	---	---	---	< 5	---	---
trans-1,3-Dichloropropene	< 5	< 5	---	---	---	---	---	< 5	---	---
Trichloroethene	< 5	< 5	---	---	---	---	---	< 5	---	---
Trichlorofluoromethane	< 5	< 5	---	---	---	---	---	< 5	---	---
Vinyl chloride	< 5	< 5	---	---	---	---	---	< 5	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 50	< 50	---	---	---	---	---	< 20	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	< 20	---	---
2,3,4-Trichlorophenol	< 50	< 50	---	---	---	---	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 50	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	---	---	---	---	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	---	---	---	---	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	---	---	---	---	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	---	---	---	---	< 50	< 50	< 50	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	< 50
2,4-Dimethylphenol	---	---	---	---	---	---	< 50	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	< 20	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	< 20	---	---
2-Nitrophenol	---	---	---	---	---	---	---	< 20	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 50	< 50	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	< 50	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	< 20	---	---
4-Nitrophenol	---	---	---	---	---	---	---	< 20	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-199	B-199	B-199	B-2	B-20	B-20	B-200	B-200	B-201	B-201
Sample Collection Date	10	15	20	0	5	20	2.5	5	2.5	5
Sample Depth (feet bgs)	10/27/1999	10/27/1999	01/01/2002	11/07/2000	05/03/1993	05/03/1993	10/27/1999	10/27/1999	10/28/1999	10/28/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 10	---	---	---	---	---	---	---	---
Dibenzofuran	< 10	< 10	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	21000	< 10	< 10	< 10	< 10
Dimethyl phthalate	---	---	---	---	---	110000	< 10	< 10	< 10	< 10
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	< 10	< 10	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	< 20	< 20	---	---	---	200000	< 10	< 10	< 10	< 10
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	< 20	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	< 20	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	< 20	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	81	< 40	---	---	---	---	< 40	< 40	< 40	< 40
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 50	< 5	---	---	---	---	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 10	< 10	---	---	---	130000	< 10	< 10	24	< 10
Acenaphthene	< 10	< 10	---	---	---	200000	< 10	< 10	11	< 10
Acenaphthylene	< 10	< 10	---	---	---	6200	< 10	< 10	< 10	< 10
Anthracene	< 10	< 10	---	---	---	44000	< 10	< 10	< 10	< 10
Benzo(a)anthracene	< 10	< 10	---	---	---	20000	< 10	< 10	< 10	< 10
Benzo(a)pyrene	< 10	< 10	---	---	---	6300	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	< 10	< 10	---	---	---	8600	< 10	< 10	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	< 10	< 10	---	---	---	3600	< 10	< 10	< 10	< 10
Chrysene	< 10	< 10	---	---	---	19000	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10
Fluorene	< 10	< 10	---	---	---	150000	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	< 10	< 10	---	---	---	---	< 10	< 10	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-199	B-199	B-199	B-2	B-20	B-20	B-200	B-200	B-201	B-201
Sample Collection Date	10	15	20	0	5	20	2.5	5	2.5	5
Sample Depth (feet bgs)	10/27/1999	10/27/1999	01/01/2002	11/07/2000	05/03/1993	05/03/1993	10/27/1999	10/27/1999	10/28/1999	10/28/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 20	< 20	---	---	---	34000	< 10	< 20	61	< 10
Phenanthrene	< 10	< 10	---	---	---	520000	< 10	< 10	22	< 10
Pyrene	< 10	< 10	---	---	---	130000	< 10	< 10	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-201	B-201	B-201	B-202	B-202	B-202	B-203	B-203	B-203	B-221
Sample Collection Date	10	15	20	2.5	5	15	2.5	5	10	2.5
Sample Depth (feet bgs)	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	11/09/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	7	4	8	3	---	4	2	4	5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	34	17	18	12	---	12	9	23	19
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	30	24	7	8	---	7	6	12	24
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	82	43	101	37	---	40	28	81	75
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-201	B-201	B-201	B-202	B-202	B-202	B-203	B-203	B-203	B-221
Sample Collection Date	10	15	20	2.5	5	15	2.5	5	10	2.5
Sample Depth (feet bgs)	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	11/09/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Gasoline	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kerosene	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	65
Mineral spirits	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphtha Distillate	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Non-PHC as Diesel	---	2000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25	560	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,1,1-Trichloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,1,2,2-Tetrachloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,1,2-Trichloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,1-Dichloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,1-Dichloroethene	< 5	---	---	---	< 5	< 5	---	---	---	---
1,1-Dichloropropene	< 5	---	---	---	< 5	< 5	---	---	---	---
1,2,3-Trichlorobenzene	< 0.02	---	---	---	< 0.02	< 0.02	---	---	---	---
1,2,3-Trichloropropane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,2,4-Trichlorobenzene	< 0.02	---	---	---	< 0.02	< 0.02	---	---	---	---
1,2,4-Trimethylbenzene	< 20	---	---	---	< 20	< 20	---	---	---	---
1,2-Dibromo-3-chloropropane	< 20	---	---	---	< 20	< 20	---	---	---	---
1,2-Dibromoethane	< 20	---	---	---	< 20	< 20	---	---	---	---
1,2-Dichlorobenzene	< 5	---	---	---	< 5	< 5	---	---	---	---
1,2-Dichloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-201	B-201	B-201	B-202	B-202	B-202	B-203	B-203	B-203	B-221
Sample Collection Date	10	15	20	2.5	5	15	2.5	5	10	2.5
Sample Depth (feet bgs)	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	11/09/1999
1,2-Dichloropropane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,3,5-Trimethylbenzene	< 20	---	---	---	< 20	< 20	---	---	---	---
1,3-Dichlorobenzene	< 5	---	---	---	< 5	< 5	---	---	---	---
1,3-Dichloropropane	< 5	---	---	---	< 5	< 5	---	---	---	---
1,4-Dichlorobenzene	< 5	---	---	---	< 5	< 5	---	---	---	---
2,2-Dichloropropane	< 5	---	---	---	< 5	< 5	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	< 20	---	---	---	< 20	< 20	---	---	---	---
Acetone	77	---	---	---	< 50	100	---	---	---	---
Benzene	< 5	---	---	---	< 5	< 5	---	---	---	---
Bromobenzene	< 5	---	---	---	< 5	< 5	---	---	---	---
Bromodichloromethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Bromoform	< 5	---	---	---	< 5	< 5	---	---	---	---
Bromomethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Carbon disulfide	< 5	---	---	---	< 5	< 5	---	---	---	---
Carbon tetrachloride	< 5	---	---	---	< 5	< 5	---	---	---	---
Chlorobenzene	< 5	---	---	---	< 5	< 5	---	---	---	---
Chlorobromomethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Chloroethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Chloroform	< 5	---	---	---	< 5	< 5	---	---	---	---
Chloromethane	< 5	---	---	---	< 5	< 5	---	---	---	---
cis-1,2-Dichloroethene	< 5	---	---	---	< 5	< 5	---	---	---	---
cis-1,3-Dichloropropene	< 5	---	---	---	< 5	< 5	---	---	---	---
Dibromochloromethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Dibromomethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Dichlorodifluoromethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Ethylbenzene	< 5	---	---	---	< 5	< 5	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	9	---	---	---	< 5	< 5	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	18	---	---	---	< 10	< 10	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	< 20	---	---	---	< 20	< 20	---	---	---	---
o-Xylene	< 5	---	---	---	< 5	< 5	---	---	---	---
sec-Butylbenzene	< 20	---	---	---	< 20	< 20	---	---	---	---
Styrene	< 5	---	---	---	< 5	< 5	---	---	---	---
tert-Butylbenzene	< 0.02	---	---	---	< 0.02	< 0.02	---	---	---	---
Tetrachloroethene	< 5	---	---	---	< 5	< 5	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-201	B-201	B-201	B-202	B-202	B-202	B-203	B-203	B-203	B-221
Sample Collection Date	10	15	20	2.5	5	15	2.5	5	10	2.5
Sample Depth (feet bgs)	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	11/09/1999
Toluene	9	---	---	---	< 5	< 5	---	---	---	---
trans-1,2-Dichloroethene	< 5	---	---	---	< 5	< 5	---	---	---	---
trans-1,3-Dichloropropene	< 5	---	---	---	< 5	< 5	---	---	---	---
Trichloroethene	< 5	---	---	---	< 5	< 5	---	---	---	---
Trichlorofluoromethane	< 5	---	---	---	< 5	< 5	---	---	---	---
Vinyl chloride	< 5	---	---	---	< 5	< 5	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 20	---	---	---	< 20	< 20	---	---	---	---
2,3,4,6-Tetrachlorophenol	< 20	---	---	---	< 20	< 20	---	---	---	---
2,3,4-Trichlorophenol	---	< 56	56	< 50	< 50	---	< 50	< 50	51	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	< 56	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	---	< 56	< 50	< 50	< 50	---	< 50	< 50	67	< 50
2,4,5-Trichlorophenol	---	< 56	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 5	< 56	< 50	< 50	< 50	< 5	< 50	< 50	< 50	< 50
2,4-Dichlorophenol	---	< 56	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50
2,4-Dimethylphenol	---	< 56	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	< 20	---	---	---	< 20	< 20	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	< 20	---	---	---	< 20	< 20	---	---	---	---
2-Nitrophenol	< 20	---	---	---	< 20	< 20	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	< 56	94	< 50	< 50	---	< 50	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	< 20	---	---	---	< 20	< 20	---	---	---	---
4-Nitrophenol	< 20	---	---	---	< 20	< 20	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-201	B-201	B-201	B-202	B-202	B-202	B-203	B-203	B-203	B-221
Sample Collection Date	10	15	20	2.5	5	15	2.5	5	10	2.5
Sample Depth (feet bgs)	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	11/09/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	880	290	< 10	< 10	---	< 10	< 10	160	< 10
Dimethyl phthalate	---	5000	290	< 10	< 10	---	< 10	< 10	450	< 10
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	3100	< 10	< 10	< 10	---	< 10	< 10	4400	10
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	< 20	---	---	---	< 20	< 20	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	< 20	---	---	---	< 20	< 20	---	---	---	---
N-Nitrosodimethylamine	< 20	---	---	---	< 20	< 20	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 40	< 40	< 40	< 40	< 5	< 40	< 40	1300	40
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	87	< 5	< 5	< 5	13	< 5	< 50	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	25000	31	< 10	< 10	---	< 10	< 10	940	< 10
Acenaphthene	---	9400	300	< 10	< 10	---	< 10	< 10	1100	< 10
Acenaphthylene	---	46	< 10	< 10	< 10	---	< 10	< 10	21	< 10
Anthracene	---	2300	< 10	< 10	< 10	---	< 10	< 10	520	< 10
Benzo(a)anthracene	---	550	< 10	< 10	< 10	---	< 10	< 10	1200	< 10
Benzo(a)pyrene	---	160	< 10	< 10	< 10	---	< 10	< 10	470	< 10
Benzo(b)fluoranthene	---	180	< 10	< 10	< 10	---	< 10	< 10	800	13
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	40	< 10	< 10	< 10	---	< 10	< 10	130	< 10
Benzo(k)fluoranthene	---	220	< 10	< 10	< 10	---	< 10	< 10	870	12
Chrysene	---	550	< 10	< 10	< 10	---	< 10	< 10	1700	15
Dibenzo(a,h)anthracene	---	17	< 10	< 10	< 10	---	< 10	< 10	69	< 10
Fluorene	---	5400	230	< 10	< 10	---	< 10	< 10	700	< 10
Indeno(1,2,3-cd)pyrene	---	55	< 10	< 10	< 10	---	< 10	< 10	210	10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-201	B-201	B-201	B-202	B-202	B-202	B-203	B-203	B-203	B-221
Sample Collection Date	10	15	20	2.5	5	15	2.5	5	10	2.5
Sample Depth (feet bgs)	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	10/28/1999	11/09/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 20	59000	810	< 10	< 20	140	< 10	< 10	880	< 10
Phenanthrene	---	9400	38	< 10	< 10	---	< 10	< 10	1600	< 10
Pyrene	---	2300	< 10	< 10	< 10	---	< 10	< 10	4300	18

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-221	B-222	B-222	B-222	B-223	B-223	B-223	B-224	B-224	B-224
Sample Collection Date	7.5	2.5	5	10	2.5	5	10	2.5	5	10
Sample Depth (feet bgs)	11/09/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	3	---	3	5	---	3	5	11	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	15	---	15	25	---	17	22	24	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	21	---	17	24	---	18	24	27	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	51	---	58	74	---	55	79	71	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-221	B-222	B-222	B-222	B-223	B-223	B-223	B-224	B-224	B-224
Sample Collection Date	7.5	2.5	5	10	2.5	5	10	2.5	5	10
Sample Depth (feet bgs)	11/09/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	---
Gasoline	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	---	< 25	< 25	< 25	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	---
Kerosene	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	---
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	---	< 25	< 25	< 25	---	---
Mineral spirits	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	---
Naphtha Distillate	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	---	---
Non-PHC as Diesel	< 50	54	165	< 50	---	< 50	< 50	52	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	68	< 25	< 25	< 25	---	29	< 25	< 25	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-221	B-222	B-222	B-222	B-223	B-223	B-223	B-224	B-224	B-224
Sample Collection Date	7.5	2.5	5	10	2.5	5	10	2.5	5	10
Sample Depth (feet bgs)	11/09/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-221	B-222	B-222	B-222	B-223	B-223	B-223	B-224	B-224	B-224
Sample Collection Date	7.5	2.5	5	10	2.5	5	10	2.5	5	10
Sample Depth (feet bgs)	11/09/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 5	< 50	< 50	< 50	< 5	< 5
2,4-Dichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,4-Dimethylphenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-221	B-222	B-222	B-222	B-223	B-223	B-223	B-224	B-224	B-224
Sample Collection Date	7.5	2.5	5	10	2.5	5	10	2.5	5	10
Sample Depth (feet bgs)	11/09/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	< 10	6300	270	19	---	< 10	< 10	< 10	---	---
Dimethyl phthalate	19	12000	860	< 10	---	< 10	< 10	< 10	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	38	24000	1900	< 10	---	17	< 10	11	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	490	320	61	< 40	< 5	< 40	< 40	45	< 5	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 50	12	12	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 10	4300	510	< 10	---	< 10	< 10	< 10	---	---
Acenaphthene	45	19000	1400	64	---	< 10	28	< 10	---	---
Acenaphthylene	< 10	340	14	< 10	---	< 10	< 10	< 10	---	---
Anthracene	< 10	23000	740	< 10	---	< 10	< 10	< 10	---	---
Benzo(a)anthracene	< 10	3400	300	< 10	---	< 10	< 10	< 10	---	---
Benzo(a)pyrene	< 10	900	96	< 10	---	< 10	< 10	< 10	---	---
Benzo(b)fluoranthene	< 10	1100	120	< 10	---	< 10	< 10	10	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	230	26	< 10	---	< 10	< 10	< 10	---	---
Benzo(k)fluoranthene	< 10	1500	140	< 10	---	< 10	< 10	10	---	---
Chrysene	14	3600	300	< 10	---	< 10	< 10	< 10	---	---
Dibenzo(a,h)anthracene	< 10	91	< 10	< 10	---	< 10	< 10	< 10	---	---
Fluorene	24	22000	1200	81	---	< 10	14	< 10	---	---
Indeno(1,2,3-cd)pyrene	< 10	320	34	< 10	---	< 10	< 10	< 10	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-221	B-222	B-222	B-222	B-223	B-223	B-223	B-224	B-224	B-224
Sample Collection Date	7.5	2.5	5	10	2.5	5	10	2.5	5	10
Sample Depth (feet bgs)	11/09/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999	11/10/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	58	3000	810	< 10	---	< 10	< 10	< 10	---	---
Phenanthrene	32	74000	3900	< 10	---	< 10	< 10	< 10	---	---
Pyrene	40	17000	1400	< 10	---	17	< 10	11	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-225	B-225	B-226	B-226	B-226	B-227	B-227	B-228	B-229	B-229
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	5	2.5	5
Sample Depth (feet bgs)	11/10/1999	11/10/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	2	---	---	3	1	4	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	11	---	---	23	8	20	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	6	---	---	21	5	20	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	39	---	---	61	26	66	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-225	B-225	B-226	B-226	B-226	B-227	B-227	B-228	B-229	B-229
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	5	2.5	5
Sample Depth (feet bgs)	11/10/1999	11/10/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	< 10	---	---	< 10	< 10	< 10	---
Gasoline	---	---	---	< 10	---	---	< 10	< 10	< 10	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	< 25	---	---	< 25	< 25	< 25	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	< 10	---	---	< 10	< 10	< 10	---
Kerosene	---	---	---	< 10	---	---	< 10	< 10	< 10	---
Lube-Oil-Range Hydrocarbons	---	---	---	< 25	---	---	< 25	< 25	< 25	---
Mineral spirits	---	---	---	< 10	---	---	< 10	< 10	< 10	---
Naphtha Distillate	---	---	---	< 10	---	---	< 10	< 10	< 10	---
Non-PHC as Diesel	---	---	---	< 50	---	---	< 50	< 50	< 50	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	< 25	---	---	< 25	< 25	< 25	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-225	B-225	B-226	B-226	B-226	B-227	B-227	B-228	B-229	B-229
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	5	2.5	5
Sample Depth (feet bgs)	11/10/1999	11/10/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-225	B-225	B-226	B-226	B-226	B-227	B-227	B-228	B-229	B-229
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	5	2.5	5
Sample Depth (feet bgs)	11/10/1999	11/10/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-225	B-225	B-226	B-226	B-226	B-227	B-227	B-228	B-229	B-229
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	5	2.5	5
Sample Depth (feet bgs)	11/10/1999	11/10/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	9	< 5	< 5	14	140	19	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-225	B-225	B-226	B-226	B-226	B-227	B-227	B-228	B-229	B-229
Sample Collection Date	2.5	5	2.5	5	10	2.5	5	5	2.5	5
Sample Depth (feet bgs)	11/10/1999	11/10/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999	11/11/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-229	B-230	B-230	B-231	B-231	B-231	B-232	B-232	B-233	B-233
Sample Collection Date	10	2.5	5	2.5	5	7	5	25	5	15
Sample Depth (feet bgs)	11/11/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	2	---	---	---	< 2	---	---	---	7
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	10	---	---	---	11	---	---	---	29
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	5	---	---	---	7	---	---	---	30
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	26	---	---	---	30	---	---	---	76
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-229	B-230	B-230	B-231	B-231	B-231	B-232	B-232	B-233	B-233
Sample Collection Date	10	2.5	5	2.5	5	7	5	25	5	15
Sample Depth (feet bgs)	11/11/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Gasoline	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	< 25	< 25	< 25	---	< 25	---	---	---	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Kerosene	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Lube-Oil-Range Hydrocarbons	---	< 25	< 25	< 25	---	< 25	---	---	---	< 25
Mineral spirits	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Naphtha Distillate	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Non-PHC as Diesel	---	< 50	< 50	< 50	---	< 50	---	---	---	106
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	60	< 25	< 25	---	110	---	---	---	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,1,1-Trichloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,1,2-Trichloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,1-Dichloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,1-Dichloroethene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,1-Dichloropropene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	< 0.02	< 0.026	< 0.027	---	---
1,2,3-Trichloropropane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	< 0.02	< 0.026	< 0.027	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	< 20	< 26	< 27	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	< 20	< 26	< 27	---	---
1,2-Dibromoethane	---	---	---	---	---	< 20	< 26	< 27	---	---
1,2-Dichlorobenzene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,2-Dichloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-229	B-230	B-230	B-231	B-231	B-231	B-232	B-232	B-233	B-233
Sample Collection Date	10	2.5	5	2.5	5	7	5	25	5	15
Sample Depth (feet bgs)	11/11/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
1,2-Dichloropropane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	< 20	< 26	< 27	---	---
1,3-Dichlorobenzene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,3-Dichloropropane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
1,4-Dichlorobenzene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
2,2-Dichloropropane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	< 20	< 26	< 27	---	---
Acetone	---	---	---	---	---	< 50	130	120	---	---
Benzene	---	---	---	---	---	< 5	8	< 6.6	---	---
Bromobenzene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Bromodichloromethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Bromoform	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Bromomethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Carbon disulfide	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Carbon tetrachloride	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Chlorobenzene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Chlorobromomethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Chloroethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Chloroform	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Chloromethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Dibromochloromethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Dibromomethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Dichlorodifluoromethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Ethylbenzene	---	---	---	---	---	< 5	31	< 6.6	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	< 5	16	< 6.6	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	< 10	31	16	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	< 20	< 26	< 27	---	---
o-Xylene	---	---	---	---	---	< 5	21	< 6.6	---	---
sec-Butylbenzene	---	---	---	---	---	< 20	< 26	< 27	---	---
Styrene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
tert-Butylbenzene	---	---	---	---	---	< 0.02	< 0.026	< 0.027	---	---
Tetrachloroethene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-229	B-230	B-230	B-231	B-231	B-231	B-232	B-232	B-233	B-233
Sample Collection Date	10	2.5	5	2.5	5	7	5	25	5	15
Sample Depth (feet bgs)	11/11/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
Toluene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Trichloroethene	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Trichlorofluoromethane	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Vinyl chloride	---	---	---	---	---	< 5	< 6.5	< 6.6	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	< 20	< 26	< 27	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	< 20	< 26	< 27	---	---
2,3,4-Trichlorophenol	---	4200	< 50	< 50	---	210	---	---	---	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	< 50	< 50	< 50	---	< 50	---	---	---	< 50
2,3,6-Trichlorophenol	---	< 50	< 50	< 50	---	< 50	---	---	---	< 50
2,4,5-Trichlorophenol	---	< 50	< 50	< 50	---	< 50	---	---	---	< 50
2,4,6-Trichlorophenol	< 5	< 50	< 50	< 50	< 5	< 50	< 5	< 5	< 5	< 50
2,4-Dichlorophenol	---	< 50	< 50	< 50	---	< 50	---	---	---	< 50
2,4-Dimethylphenol	---	< 50	< 50	< 50	---	< 50	---	---	---	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	< 20	< 26	< 27	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	< 20	< 26	< 27	---	---
2-Nitrophenol	---	---	---	---	---	< 20	< 26	< 27	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	< 50	< 50	< 50	---	< 50	---	---	---	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	< 20	< 26	< 27	---	---
4-Nitrophenol	---	---	---	---	---	< 20	< 26	< 27	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-229	B-230	B-230	B-231	B-231	B-231	B-232	B-232	B-233	B-233
Sample Collection Date	10	2.5	5	2.5	5	7	5	25	5	15
Sample Depth (feet bgs)	11/11/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	21	< 10	< 10	---	12	---	---	---	870
Dimethyl phthalate	---	31	< 10	< 10	---	42	---	---	---	930
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	97	< 10	< 10	---	190	---	---	---	49
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	< 20	< 26	< 27	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	< 20	< 26	< 27	---	---
N-Nitrosodimethylamine	---	---	---	---	---	< 20	< 26	< 27	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	120000	330	160	< 5	9600	< 5	< 5	< 5	130
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	860	< 5	< 5	< 5	110	< 5	< 5	< 5	< 50
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	97	< 10	< 10	---	180	---	---	---	150
Acenaphthene	---	20	< 10	< 10	---	65	---	---	---	1100
Acenaphthylene	---	< 10	< 10	< 10	---	< 10	---	---	---	14
Anthracene	---	30	< 10	< 10	---	41	---	---	---	140
Benzo(a)anthracene	---	24	< 10	< 10	---	32	---	---	---	< 10
Benzo(a)pyrene	---	< 10	< 10	< 10	---	23	---	---	---	< 10
Benzo(b)fluoranthene	---	< 10	< 10	< 10	---	27	---	---	---	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Benzo(k)fluoranthene	---	< 10	< 10	< 10	---	22	---	---	---	< 10
Chrysene	---	35	< 10	< 10	---	51	---	---	---	< 10
Dibenzo(a,h)anthracene	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10
Fluorene	---	48	< 10	< 10	---	68	---	---	---	790
Indeno(1,2,3-cd)pyrene	---	< 10	< 10	< 10	---	< 10	---	---	---	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-229	B-230	B-230	B-231	B-231	B-231	B-232	B-232	B-233	B-233
Sample Collection Date	10	2.5	5	2.5	5	7	5	25	5	15
Sample Depth (feet bgs)	11/11/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	11/12/1999	12/07/1999	12/07/1999	12/07/1999	12/07/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	250	< 10	< 10	---	63	< 26	95	---	27000
Phenanthrene	---	290	< 10	< 10	---	280	---	---	---	1100
Pyrene	---	87	< 10	< 10	---	140	---	---	---	29

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-233	B-234	B-235	B-236	B-236	B-236	B-237	B-237	B-237	B-238
Sample Collection Date	25	25	25	10	15	25	5	15	25	25
Sample Depth (feet bgs)	12/07/1999	12/07/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/09/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	6	35	2	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	23	35	28	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	26	27	27	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	69	184	64	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-233	B-234	B-235	B-236	B-236	B-236	B-237	B-237	B-237	B-238
Sample Collection Date	25	25	25	10	15	25	5	15	25	25
Sample Depth (feet bgs)	12/07/1999	12/07/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/09/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	< 10	< 10	< 10	---	---	---	---	---
Gasoline	---	---	< 10	< 10	< 10	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	< 25	< 25	< 25	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	< 10	< 10	< 10	---	---	---	---	---
Kerosene	---	---	< 10	< 10	< 10	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	< 25	< 25	< 25	---	---	---	---	---
Mineral spirits	---	---	< 10	< 10	< 10	---	---	---	---	---
Naphtha Distillate	---	---	< 10	< 10	< 10	---	---	---	---	---
Non-PHC as Diesel	---	---	< 50	< 50	< 50	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	< 25	148	< 25	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-233	B-234	B-235	B-236	B-236	B-236	B-237	B-237	B-237	B-238
Sample Collection Date	25	25	25	10	15	25	5	15	25	25
Sample Depth (feet bgs)	12/07/1999	12/07/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/09/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-233	B-234	B-235	B-236	B-236	B-236	B-237	B-237	B-237	B-238
Sample Collection Date	25	25	25	10	15	25	5	15	25	25
Sample Depth (feet bgs)	12/07/1999	12/07/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/09/1999
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	< 50	< 50	< 50	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	< 50	< 50	< 50	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	< 50	< 50	< 50	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	< 50	< 50	< 50	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	---	< 50	< 50	< 50	---	---	---	---	---
2,4-Dimethylphenol	---	---	< 50	< 50	< 50	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	< 50	< 50	< 50	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-233	B-234	B-235	B-236	B-236	B-236	B-237	B-237	B-237	B-238
Sample Collection Date	25	25	25	10	15	25	5	15	25	25
Sample Depth (feet bgs)	12/07/1999	12/07/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/09/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	28	140	590	---	---	---	---	---
Dimethyl phthalate	---	---	40	180	500	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	13	220	45	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 40	< 40	71	< 5	< 5	< 5	< 5	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	18	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	360	400	950	---	---	---	---	---
Acenaphthene	---	---	64	340	710	---	---	---	---	---
Acenaphthylene	---	---	< 10	< 10	12	---	---	---	---	---
Anthracene	---	---	13	77	58	---	---	---	---	---
Benzo(a)anthracene	---	---	< 10	17	< 10	---	---	---	---	---
Benzo(a)pyrene	---	---	< 10	< 10	< 10	---	---	---	---	---
Benzo(b)fluoranthene	---	---	< 10	< 10	< 10	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	< 10	< 10	< 10	---	---	---	---	---
Benzo(k)fluoranthene	---	---	< 10	< 10	< 10	---	---	---	---	---
Chrysene	---	---	< 10	24	24	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	< 10	< 10	< 10	---	---	---	---	---
Fluorene	---	---	47	220	430	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	< 10	< 10	< 10	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-233	B-234	B-235	B-236	B-236	B-236	B-237	B-237	B-237	B-238
Sample Collection Date	25	25	25	10	15	25	5	15	25	25
Sample Depth (feet bgs)	12/07/1999	12/07/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/08/1999	12/09/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	1900	2900	7400	---	---	---	---	---
Phenanthrene	---	---	69	600	460	---	---	---	---	---
Pyrene	---	---	< 10	160	29	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-239	B-240	B-240	B-240	B-241	B-241	B-241	B-242	B-243	B-244
Sample Collection Date	25	5	15	25	5	15	25	25	25	25
Sample Depth (feet bgs)	12/09/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/13/1999	12/14/1999	12/15/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	6	---	9	5	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	25	---	39	24	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	25	---	22	25	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	68	---	162	67	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-239	B-240	B-240	B-240	B-241	B-241	B-241	B-242	B-243	B-244
Sample Collection Date	25	5	15	25	5	15	25	25	25	25
Sample Depth (feet bgs)	12/09/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/13/1999	12/14/1999	12/15/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	< 10	---	< 10	< 10	---	---	---	< 10
Gasoline	---	---	< 10	---	< 10	< 10	---	---	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	< 25	---	< 25	< 25	---	---	---	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	< 10	---	< 10	< 10	---	---	---	< 10
Kerosene	---	---	< 10	---	< 10	< 10	---	---	---	< 10
Lube-Oil-Range Hydrocarbons	---	---	< 25	---	< 25	< 25	---	---	---	< 25
Mineral spirits	---	---	< 10	---	< 10	< 10	---	---	---	< 10
Naphtha Distillate	---	---	< 10	---	< 10	< 10	---	---	---	< 10
Non-PHC as Diesel	---	---	< 50	---	< 50	71	---	---	---	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	< 25	---	120	< 25	---	---	---	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	< 5.5
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	< 5.5
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	< 5.5
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	< 5.5
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	< 5.5
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	< 5.5
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	< 5.5
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	< 0.022
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	< 5.5
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	< 0.022
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	< 22
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	< 22
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	< 22
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	< 5.5
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	< 5.5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-239	B-240	B-240	B-240	B-241	B-241	B-241	B-242	B-243	B-244
Sample Collection Date	25	5	15	25	5	15	25	25	25	25
Sample Depth (feet bgs)	12/09/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/13/1999	12/14/1999	12/15/1999
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	< 5.5
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	< 22
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	< 5.5
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	< 5.5
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	< 5.5
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	< 5.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	< 22
Acetone	---	---	---	---	---	---	---	---	---	< 55
Benzene	---	---	---	---	---	---	---	---	---	< 5.5
Bromobenzene	---	---	---	---	---	---	---	---	---	< 5.5
Bromodichloromethane	---	---	---	---	---	---	---	---	---	< 5.5
Bromoform	---	---	---	---	---	---	---	---	---	< 5.5
Bromomethane	---	---	---	---	---	---	---	---	---	< 5.5
Carbon disulfide	---	---	---	---	---	---	---	---	---	< 5.5
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	< 5.5
Chlorobenzene	---	---	---	---	---	---	---	---	---	< 5.5
Chlorobromomethane	---	---	---	---	---	---	---	---	---	< 5.5
Chloroethane	---	---	---	---	---	---	---	---	---	< 5.5
Chloroform	---	---	---	---	---	---	---	---	---	< 5.5
Chloromethane	---	---	---	---	---	---	---	---	---	< 5.5
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	< 5.5
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	< 5.5
Dibromochloromethane	---	---	---	---	---	---	---	---	---	< 5.5
Dibromomethane	---	---	---	---	---	---	---	---	---	< 5.5
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	< 5.5
Ethylbenzene	---	---	---	---	---	---	---	---	---	< 5.5
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	< 5.5
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	< 11
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	< 22
o-Xylene	---	---	---	---	---	---	---	---	---	< 5.5
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	< 22
Styrene	---	---	---	---	---	---	---	---	---	< 5.5
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	< 0.022
Tetrachloroethene	---	---	---	---	---	---	---	---	---	< 5.5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-239	B-240	B-240	B-240	B-241	B-241	B-241	B-242	B-243	B-244
Sample Collection Date	25	5	15	25	5	15	25	25	25	25
Sample Depth (feet bgs)	12/09/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/13/1999	12/14/1999	12/15/1999
Toluene	---	---	---	---	---	---	---	---	---	< 5.5
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	< 5.5
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	< 5.5
Trichloroethene	---	---	---	---	---	---	---	---	---	< 5.5
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	< 5.5
Vinyl chloride	---	---	---	---	---	---	---	---	---	< 5.5
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	< 22
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	< 22
2,3,4-Trichlorophenol	---	---	< 50	---	< 50	350	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	< 50	---	< 50	< 50	---	---	---	---
2,3,6-Trichlorophenol	---	---	< 50	---	< 50	< 50	---	---	---	---
2,4,5-Trichlorophenol	---	---	< 50	---	< 50	< 50	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 50	< 5	< 50	< 50	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	---	< 50	---	< 50	< 50	---	---	---	---
2,4-Dimethylphenol	---	---	< 50	---	< 50	< 50	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	< 22
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	< 22
2-Nitrophenol	---	---	---	---	---	---	---	---	---	< 22
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	< 50	---	< 50	310	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	< 22
4-Nitrophenol	---	---	---	---	---	---	---	---	---	< 22
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-239	B-240	B-240	B-240	B-241	B-241	B-241	B-242	B-243	B-244
Sample Collection Date	25	5	15	25	5	15	25	25	25	25
Sample Depth (feet bgs)	12/09/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/13/1999	12/14/1999	12/15/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	240	---	180	560	---	---	---	---
Dimethyl phthalate	---	---	560	---	480	800	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	240	---	250	230	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	< 22
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	< 22
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	< 22
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 40	< 5	100	91	< 5	< 5	< 5	< 5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	9	< 5	< 5	350	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	28	---	1500	1800	---	---	---	---
Acenaphthene	---	---	650	---	1000	940	---	---	---	---
Acenaphthylene	---	---	< 10	---	< 10	15	---	---	---	---
Anthracene	---	---	220	---	87	310	---	---	---	---
Benzo(a)anthracene	---	---	35	---	83	22	---	---	---	---
Benzo(a)pyrene	---	---	< 10	---	42	< 10	---	---	---	---
Benzo(b)fluoranthene	---	---	< 10	---	63	< 10	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	< 10	---	22	< 10	---	---	---	---
Benzo(k)fluoranthene	---	---	< 10	---	67	< 10	---	---	---	---
Chrysene	---	---	29	---	130	23	---	---	---	---
Dibenzo(a,h)anthracene	---	---	< 10	---	< 10	< 10	---	---	---	---
Fluorene	---	---	570	---	600	780	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	< 10	---	27	< 10	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-239	B-240	B-240	B-240	B-241	B-241	B-241	B-242	B-243	B-244
Sample Collection Date	25	5	15	25	5	15	25	25	25	25
Sample Depth (feet bgs)	12/09/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/10/1999	12/13/1999	12/14/1999	12/15/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	200	---	45000	10000	---	---	---	< 22
Phenanthrene	---	---	1100	---	210	1500	---	---	---	---
Pyrene	---	---	160	---	180	150	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-244	B-244	B-245	B-245	B-246	B-246	B-246	B-247	B-247	B-247
Sample Collection Date	30	35	15	30	5	10	20	2.5	5	16
Sample Depth (feet bgs)	12/15/1999	12/15/1999	12/15/1999	12/15/1999	12/16/1999	12/16/1999	12/16/1999	12/17/1999	12/17/1999	12/17/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	4	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	15	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	20	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	52	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-244	B-244	B-245	B-245	B-246	B-246	B-246	B-247	B-247	B-247
Sample Collection Date	30	35	15	30	5	10	20	2.5	5	16
Sample Depth (feet bgs)	12/15/1999	12/15/1999	12/15/1999	12/15/1999	12/16/1999	12/16/1999	12/16/1999	12/17/1999	12/17/1999	12/17/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	63	< 25	< 25	57	86	---
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Naphtha Distillate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Non-PHC as Diesel	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	< 25	5230	< 25	< 25	< 25	< 25	< 25	< 25	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,1,1-Trichloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,1,2,2-Tetrachloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,1,2-Trichloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,1-Dichloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,1-Dichloroethene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,1-Dichloropropene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,2,3-Trichlorobenzene	---	< 0.021	---	---	< 0.022	< 0.021	< 0.022	< 0.024	< 0.023	< 0.022
1,2,3-Trichloropropane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,2,4-Trichlorobenzene	---	< 0.021	---	---	< 0.022	< 0.021	< 0.022	< 0.024	< 0.023	< 0.022
1,2,4-Trimethylbenzene	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
1,2-Dibromo-3-chloropropane	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
1,2-Dibromoethane	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
1,2-Dichlorobenzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,2-Dichloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-244	B-244	B-245	B-245	B-246	B-246	B-246	B-247	B-247	B-247
Sample Collection Date	30	35	15	30	5	10	20	2.5	5	16
Sample Depth (feet bgs)	12/15/1999	12/15/1999	12/15/1999	12/15/1999	12/16/1999	12/16/1999	12/16/1999	12/17/1999	12/17/1999	12/17/1999
1,2-Dichloropropane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,3,5-Trimethylbenzene	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
1,3-Dichlorobenzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,3-Dichloropropane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
1,4-Dichlorobenzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
2,2-Dichloropropane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
Acetone	---	< 53	---	---	< 54	< 52	< 56	< 59	< 56	< 55
Benzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Bromobenzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Bromodichloromethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Bromoform	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Bromomethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Carbon disulfide	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Carbon tetrachloride	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Chlorobenzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Chlorobromomethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Chloroethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Chloroform	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Chloromethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
cis-1,2-Dichloroethene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
cis-1,3-Dichloropropene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Dibromochloromethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Dibromomethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Dichlorodifluoromethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Ethylbenzene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	< 11	---	---	< 11	< 10	< 11	< 12	< 11	< 11
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
o-Xylene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
sec-Butylbenzene	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
Styrene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
tert-Butylbenzene	---	< 0.021	---	---	< 0.022	< 0.021	< 0.022	< 0.024	< 0.023	< 0.022
Tetrachloroethene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-244	B-244	B-245	B-245	B-246	B-246	B-246	B-247	B-247	B-247
Sample Collection Date	30	35	15	30	5	10	20	2.5	5	16
Sample Depth (feet bgs)	12/15/1999	12/15/1999	12/15/1999	12/15/1999	12/16/1999	12/16/1999	12/16/1999	12/17/1999	12/17/1999	12/17/1999
Toluene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
trans-1,2-Dichloroethene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
trans-1,3-Dichloropropene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Trichloroethene	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Trichlorofluoromethane	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Vinyl chloride	---	< 5.3	---	---	< 5.4	< 5.2	< 5.6	< 5.9	< 5.6	< 5.5
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
2,3,4,6-Tetrachlorophenol	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
2,3,4-Trichlorophenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
2,3,6-Trichlorophenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
2,4,5-Trichlorophenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
2,4,6-Trichlorophenol	---	< 50	< 500	< 50	< 50	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
2,4-Dimethylphenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
2-Nitrophenol	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	< 50	< 50	< 50	< 50	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
4-Nitrophenol	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-244	B-244	B-245	B-245	B-246	B-246	B-246	B-247	B-247	B-247
Sample Collection Date	30	35	15	30	5	10	20	2.5	5	16
Sample Depth (feet bgs)	12/15/1999	12/15/1999	12/15/1999	12/15/1999	12/16/1999	12/16/1999	12/16/1999	12/17/1999	12/17/1999	12/17/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	< 10	< 10	22	< 10	---	---	---	---	---
Dimethyl phthalate	---	< 10	< 10	110	< 10	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	< 10	23	330	< 10	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
N-Nitrosodimethylamine	---	< 21	---	---	< 22	< 21	< 22	< 24	< 23	< 22
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	---	< 40	17000	96	< 40	< 5	< 5	< 5	13	<5
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	< 5	1300	9	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	< 10	< 10	55	< 10	---	---	---	---	---
Acenaphthene	---	< 10	< 10	110	< 10	---	---	---	---	---
Acenaphthylene	---	< 10	< 10	< 10	< 10	---	---	---	---	---
Anthracene	---	< 10	< 10	75	< 10	---	---	---	---	---
Benzo(a)anthracene	---	< 10	< 10	45	< 10	---	---	---	---	---
Benzo(a)pyrene	---	< 10	< 10	11	< 10	---	---	---	---	---
Benzo(b)fluoranthene	---	< 10	< 10	11	< 10	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	< 10	< 10	< 10	< 10	---	---	---	---	---
Benzo(k)fluoranthene	---	< 10	< 10	17	< 10	---	---	---	---	---
Chrysene	---	< 10	< 10	46	< 10	---	---	---	---	---
Dibenzo(a,h)anthracene	---	< 10	< 10	< 10	< 10	---	---	---	---	---
Fluorene	---	< 10	< 10	140	< 10	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	< 10	< 10	< 10	< 10	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-244	B-244	B-245	B-245	B-246	B-246	B-246	B-247	B-247	B-247
Sample Collection Date	30	35	15	30	5	10	20	2.5	5	16
Sample Depth (feet bgs)	12/15/1999	12/15/1999	12/15/1999	12/15/1999	12/16/1999	12/16/1999	12/16/1999	12/17/1999	12/17/1999	12/17/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	< 21	< 10	76	< 22	< 21	< 22	< 24	< 23	< 22
Phenanthrene	---	< 10	22	490	< 10	---	---	---	---	---
Pyrene	---	< 10	18	250	< 10	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-248	B-248	B-248	B-249	B-249	B-249	B-249	B-249	B-250	B-250
Sample Collection Date	2.5	15	25	2.5	10	15	20	25	20	25
Sample Depth (feet bgs)	12/20/1999	12/20/1999	12/20/1999	12/20/1999	01/01/2002	01/01/2002	12/20/1999	12/20/1999	12/21/1999	12/21/1999
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	7	3
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	18	11
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	27	17
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	42	27
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-248	B-248	B-248	B-249	B-249	B-249	B-249	B-249	B-250	B-250
Sample Collection Date	2.5	15	25	2.5	10	15	20	25	20	25
Sample Depth (feet bgs)	12/20/1999	12/20/1999	12/20/1999	12/20/1999	01/01/2002	01/01/2002	12/20/1999	12/20/1999	12/21/1999	12/21/1999
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	< 10	< 10	< 10	---	---	< 10	< 10	< 10	< 10
Gasoline	< 10	< 10	< 10	< 10	---	---	< 10	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	---	---	< 25	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	---	---	< 10	< 10	< 10	< 10
Kerosene	< 10	< 10	< 10	< 10	---	---	< 10	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	92	---	---	< 25	< 25	< 25	< 25
Mineral spirits	< 10	< 10	< 10	< 10	---	---	< 10	< 10	< 10	< 10
Naphtha Distillate	< 10	< 10	< 10	< 10	---	---	< 10	< 10	< 10	< 10
Non-PHC as Diesel	< 50	< 50	< 50	< 50	---	---	< 50	< 50	< 50	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	< 25	< 25	< 25	---	---	< 25	< 25	25	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,1,1-Trichloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,1,2,2-Tetrachloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,1,2-Trichloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,1-Dichloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,1-Dichloroethene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,1-Dichloropropene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,2,3-Trichlorobenzene	< 0.018	< 0.021	< 0.021	< 0.022	---	---	< 0.023	< 0.02	< 0.021	< 0.022
1,2,3-Trichloropropane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,2,4-Trichlorobenzene	< 0.018	< 0.021	< 0.021	< 0.022	---	---	< 0.023	< 0.02	< 0.021	< 0.022
1,2,4-Trimethylbenzene	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
1,2-Dibromo-3-chloropropane	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
1,2-Dibromoethane	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
1,2-Dichlorobenzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,2-Dichloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-248	B-248	B-248	B-249	B-249	B-249	B-249	B-249	B-250	B-250
Sample Collection Date	2.5	15	25	2.5	10	15	20	25	20	25
Sample Depth (feet bgs)	12/20/1999	12/20/1999	12/20/1999	12/20/1999	01/01/2002	01/01/2002	12/20/1999	12/20/1999	12/21/1999	12/21/1999
1,2-Dichloropropane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,3,5-Trimethylbenzene	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
1,3-Dichlorobenzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,3-Dichloropropane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
1,4-Dichlorobenzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
2,2-Dichloropropane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
Acetone	< 45	< 52	< 53	< 54	---	---	< 57	120	< 54	< 55
Benzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Bromobenzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Bromodichloromethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Bromoform	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Bromomethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Carbon disulfide	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Carbon tetrachloride	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Chlorobenzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Chlorobromomethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Chloroethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Chloroform	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Chloromethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
cis-1,2-Dichloroethene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
cis-1,3-Dichloropropene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Dibromochloromethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Dibromomethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Dichlorodifluoromethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Ethylbenzene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	< 9	< 10	< 11	< 11	---	---	< 11	< 9.9	< 11	< 2.2
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
o-Xylene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
sec-Butylbenzene	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
Styrene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
tert-Butylbenzene	< 0.018	< 0.021	< 0.021	< 0.022	---	---	< 0.023	< 0.02	< 0.021	< 0.022
Tetrachloroethene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-248	B-248	B-248	B-249	B-249	B-249	B-249	B-249	B-250	B-250
Sample Collection Date	2.5	15	25	2.5	10	15	20	25	20	25
Sample Depth (feet bgs)	12/20/1999	12/20/1999	12/20/1999	12/20/1999	01/01/2002	01/01/2002	12/20/1999	12/20/1999	12/21/1999	12/21/1999
Toluene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
trans-1,2-Dichloroethene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
trans-1,3-Dichloropropene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Trichloroethene	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Trichlorofluoromethane	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Vinyl chloride	< 4.5	< 5.2	< 5.3	< 5.4	---	---	< 5.7	< 5	< 5.4	< 5.5
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 5	< 22
2,3,4,6-Tetrachlorophenol	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	< 50	< 50
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	< 50	< 50
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	< 50	< 50
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	---	---	< 5	< 5	< 50	< 50
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	< 50	< 50
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
2-Nitrophenol	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
4-Nitrophenol	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-248	B-248	B-248	B-249	B-249	B-249	B-249	B-249	B-250	B-250
Sample Collection Date	2.5	15	25	2.5	10	15	20	25	20	25
Sample Depth (feet bgs)	12/20/1999	12/20/1999	12/20/1999	12/20/1999	01/01/2002	01/01/2002	12/20/1999	12/20/1999	12/21/1999	12/21/1999
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	< 10	51
Dimethyl phthalate	---	---	---	---	---	---	---	---	29	79
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	19	39
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
N-Nitrosodimethylamine	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	< 5	---	---	< 5	< 5	110	< 40
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	---	---	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	< 10	14
Acenaphthene	---	---	---	---	---	---	---	---	10	53
Acenaphthylene	---	---	---	---	---	---	---	---	< 10	< 10
Anthracene	---	---	---	---	---	---	---	---	10	35
Benzo(a)anthracene	---	---	---	---	---	---	---	---	< 10	< 10
Benzo(a)pyrene	---	---	---	---	---	---	---	---	< 10	< 10
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	20	< 10
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	< 10	< 10
Chrysene	---	---	---	---	---	---	---	---	< 10	< 10
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	< 10	< 10
Fluorene	---	---	---	---	---	---	---	---	< 10	69
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	21	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-248	B-248	B-248	B-249	B-249	B-249	B-249	B-249	B-250	B-250
Sample Collection Date	2.5	15	25	2.5	10	15	20	25	20	25
Sample Depth (feet bgs)	12/20/1999	12/20/1999	12/20/1999	12/20/1999	01/01/2002	01/01/2002	12/20/1999	12/20/1999	12/21/1999	12/21/1999
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 18	< 21	< 21	< 22	---	---	< 23	< 20	< 21	< 22
Phenanthrene	---	---	---	---	---	---	---	---	15	180
Pyrene	---	---	---	---	---	---	---	---	16	30

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-250	B-251	B-251	B-251	B-252	B-252	B-252	B-253	B-255	B-255
Sample Collection Date	35	2.5	10	25	15	20	25	25	10	15
Sample Depth (feet bgs)	12/21/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/23/1999	01/14/2000	01/14/2000
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	< 2	---	---	---	3	2	3	5	20	4
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	9	---	---	---	28	27	30	27	14	26
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	14	---	---	---	30	31	34	36	14	33
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	22	---	---	---	78	75	87	84	64	199
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-250	B-251	B-251	B-251	B-252	B-252	B-252	B-253	B-255	B-255
Sample Collection Date	35	2.5	10	25	15	20	25	25	10	15
Sample Depth (feet bgs)	12/21/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/23/1999	01/14/2000	01/14/2000
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphtha Distillate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Non-PHC as Diesel	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	4400	< 50
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,1,1-Trichloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,1,2-Trichloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,1-Dichloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,1-Dichloroethene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,1-Dichloropropene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,2,3-Trichlorobenzene	< 0.024	< 0.025	< 0.022	< 0.022	---	---	---	---	---	---
1,2,3-Trichloropropane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,2,4-Trichlorobenzene	< 0.024	< 0.025	< 0.022	< 0.022	---	---	---	---	---	---
1,2,4-Trimethylbenzene	< 24	< 25	< 22	< 22	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	< 24	< 25	< 22	< 22	---	---	---	---	---	---
1,2-Dibromoethane	< 24	< 25	< 22	< 22	---	---	---	---	---	---
1,2-Dichlorobenzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,2-Dichloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-250	B-251	B-251	B-251	B-252	B-252	B-252	B-253	B-255	B-255
Sample Collection Date	35	2.5	10	25	15	20	25	25	10	15
Sample Depth (feet bgs)	12/21/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/23/1999	01/14/2000	01/14/2000
1,2-Dichloropropane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,3,5-Trimethylbenzene	< 24	< 25	< 22	< 22	---	---	---	---	---	---
1,3-Dichlorobenzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,3-Dichloropropane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
1,4-Dichlorobenzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
2,2-Dichloropropane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	< 24	< 25	< 22	< 22	---	---	---	---	---	---
Acetone	65	< 61	< 56	< 55	---	---	---	---	---	---
Benzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Bromobenzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Bromodichloromethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Bromoform	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Bromomethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Carbon disulfide	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Carbon tetrachloride	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Chlorobenzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Chlorobromomethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Chloroethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Chloroform	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Chloromethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
cis-1,2-Dichloroethene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
cis-1,3-Dichloropropene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Dibromochloromethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Dibromomethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Dichlorodifluoromethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Ethylbenzene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	17	< 2.5	< 2.2	< 2.2	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	< 24	< 25	< 22	< 22	---	---	---	---	---	---
o-Xylene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
sec-Butylbenzene	< 24	< 25	< 22	< 22	---	---	---	---	---	---
Styrene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
tert-Butylbenzene	< 0.024	< 0.025	< 0.022	< 0.022	---	---	---	---	---	---
Tetrachloroethene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-250	B-251	B-251	B-251	B-252	B-252	B-252	B-253	B-255	B-255
Sample Collection Date	35	2.5	10	25	15	20	25	25	10	15
Sample Depth (feet bgs)	12/21/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/23/1999	01/14/2000	01/14/2000
Toluene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
trans-1,2-Dichloroethene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
trans-1,3-Dichloropropene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Trichloroethene	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Trichlorofluoromethane	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Vinyl chloride	< 5.9	< 6.1	< 5.6	< 5.5	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 24	< 25	< 22	< 22	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	< 24	< 25	< 22	< 22	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	---	---	180	450	< 50	< 50	< 500	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	---	---	---	< 50	< 50	< 50	< 50	< 500	< 50
2,3,6-Trichlorophenol	< 50	---	---	---	< 50	960	< 50	< 50	< 500	< 50
2,4,5-Trichlorophenol	< 50	---	---	---	< 50	< 50	< 50	< 50	< 500	< 50
2,4,6-Trichlorophenol	< 50	< 5	< 5	< 5	< 50	< 500	< 50	< 50	< 500	< 50
2,4-Dichlorophenol	< 50	---	---	---	< 50	< 50	< 50	< 50	< 500	< 50
2,4-Dimethylphenol	< 50	---	---	---	< 50	< 50	< 50	< 50	< 500	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	< 24	< 25	< 22	< 22	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	< 24	< 25	< 22	< 22	---	---	---	---	---	---
2-Nitrophenol	< 24	< 25	< 22	< 22	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 50	---	---	---	< 50	< 50	< 50	< 50	< 500	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	< 24	< 25	< 22	< 22	---	---	---	---	---	---
4-Nitrophenol	< 24	< 25	< 22	< 22	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-250	B-251	B-251	B-251	B-252	B-252	B-252	B-253	B-255	B-255
Sample Collection Date	35	2.5	10	25	15	20	25	25	10	15
Sample Depth (feet bgs)	12/21/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/23/1999	01/14/2000	01/14/2000
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	36	---	---	---	< 10	< 10	< 10	120	2300	< 10
Dimethyl phthalate	140	---	---	---	< 10	< 10	< 10	290	9300	< 10
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	480	---	---	---	< 10	< 10	< 10	340	16000	< 10
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	< 24	< 25	< 22	< 22	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	< 24	< 25	< 22	< 22	---	---	---	---	---	---
N-Nitrosodimethylamine	< 24	< 25	< 22	< 22	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 40	< 5	< 5	< 5	3800	4300	57	420	7700	49
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	80	820	< 5	9	500	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	10	---	---	---	< 10	< 10	< 10	990	52000	34
Acenaphthene	200	---	---	---	< 10	< 10	< 10	630	19000	16
Acenaphthylene	< 10	---	---	---	< 10	< 10	< 10	< 10	100	< 10
Anthracene	87	---	---	---	< 10	< 10	< 10	170	9500	< 10
Benzo(a)anthracene	76	---	---	---	< 10	< 10	< 10	49	4100	< 10
Benzo(a)pyrene	17	---	---	---	< 10	< 10	< 10	16	1600	< 10
Benzo(b)fluoranthene	16	---	---	---	< 10	< 10	< 10	17	1400	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	---	---	---	< 10	< 10	< 10	< 10	270	< 10
Benzo(k)fluoranthene	32	---	---	---	< 10	< 10	< 10	23	1700	< 10
Chrysene	75	---	---	---	< 10	< 10	< 10	47	6500	< 10
Dibenzo(a,h)anthracene	< 10	---	---	---	< 10	< 10	< 10	< 10	110	< 10
Fluorene	260	---	---	---	< 10	< 10	< 10	400	9500	< 10
Indeno(1,2,3-cd)pyrene	< 10	---	---	---	< 10	< 10	< 10	< 10	320	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-250	B-251	B-251	B-251	B-252	B-252	B-252	B-253	B-255	B-255
Sample Collection Date	35	2.5	10	25	15	20	25	25	10	15
Sample Depth (feet bgs)	12/21/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/22/1999	12/23/1999	01/14/2000	01/14/2000
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 24	< 25	< 22	< 22	< 10	13	10	2300	360000	190
Phenanthrene	1000	---	---	---	< 10	< 10	< 10	830	21000	10
Pyrene	380	---	---	---	< 10	< 10	< 10	270	13000	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-255	B-256	B-256	B-256	B-261	B-261	B-261	B-264	B-264	B-265
Sample Collection Date	25	5	10	20	10	15	30	2.5	10	5
Sample Depth (feet bgs)	01/14/2000	01/14/2000	01/14/2000	01/14/2000	01/20/2000	01/20/2000	01/20/2000	08/17/2001	08/17/2001	08/17/2001
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	4	5	---	2	2	1	4.9	2.2	2.5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	21	25	---	12	13	7	25.4	21.9	24.5
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	17	37	---	17	18	15	21.8	20.6	18.5
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	45	58	---	61	37	30	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-255	B-256	B-256	B-256	B-261	B-261	B-261	B-264	B-264	B-265
Sample Collection Date	25	5	10	20	10	15	30	2.5	10	5
Sample Depth (feet bgs)	01/14/2000	01/14/2000	01/14/2000	01/14/2000	01/20/2000	01/20/2000	01/20/2000	08/17/2001	08/17/2001	08/17/2001
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	< 10	< 10	---	< 10	< 10	< 10	16	20	< 12
Gasoline	---	< 10	< 10	---	< 10	< 10	< 10	< 13	< 13	< 12
Heavy-Fuel-Oil-Range Hydrocarbons	---	< 25	< 25	---	< 25	< 25	< 25	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	< 10	< 10	---	< 10	< 10	< 10	---	---	---
Kerosene	---	< 10	< 10	---	< 10	< 10	< 10	---	---	---
Lube-Oil-Range Hydrocarbons	---	< 25	< 25	---	< 25	< 25	< 25	---	---	---
Mineral spirits	---	< 10	< 10	---	< 10	< 10	< 10	---	---	---
Naphtha Distillate	---	< 10	< 10	---	< 10	< 10	< 10	---	---	---
Non-PHC as Diesel	---	< 50	< 50	---	< 50	83	< 50	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	< 25	< 25	---	< 25	< 25	< 25	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	85	76	< 30
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-255	B-256	B-256	B-256	B-261	B-261	B-261	B-264	B-264	B-265
Sample Collection Date	25	5	10	20	10	15	30	2.5	10	5
Sample Depth (feet bgs)	01/14/2000	01/14/2000	01/14/2000	01/14/2000	01/20/2000	01/20/2000	01/20/2000	08/17/2001	08/17/2001	08/17/2001
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-255	B-256	B-256	B-256	B-261	B-261	B-261	B-264	B-264	B-265
Sample Collection Date	25	5	10	20	10	15	30	2.5	10	5
Sample Depth (feet bgs)	01/14/2000	01/14/2000	01/14/2000	01/14/2000	01/20/2000	01/20/2000	01/20/2000	08/17/2001	08/17/2001	08/17/2001
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
2,3,6-Trichlorophenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
2,4,5-Trichlorophenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
2,4,6-Trichlorophenol	< 5	< 50	< 50	< 5	< 50	< 50	< 50	< 66	< 65	< 62
2,4-Dichlorophenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
2,4-Dimethylphenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	< 50	< 50	---	< 50	< 50	< 50	< 66	< 65	< 62
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-255	B-256	B-256	B-256	B-261	B-261	B-261	B-264	B-264	B-265
Sample Collection Date	25	5	10	20	10	15	30	2.5	10	5
Sample Depth (feet bgs)	01/14/2000	01/14/2000	01/14/2000	01/14/2000	01/20/2000	01/20/2000	01/20/2000	08/17/2001	08/17/2001	08/17/2001
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	< 10	15	---	< 10	71	< 10	< 14	< 13	< 13
Dimethyl phthalate	---	< 10	22	---	< 10	650	< 10	< 14	< 13	< 13
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	< 10	44	---	< 10	1200	< 10	15	< 13	< 13
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 40	< 40	< 5	420	1800	110	< 66	< 65	< 62
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	56	22	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	< 10	10	---	< 10	1000	< 10	52	< 13	< 13
Acenaphthene	---	< 10	64	---	< 10	970	< 10	< 14	< 13	< 13
Acenaphthylene	---	< 10	< 10	---	< 10	17	< 10	< 14	< 13	< 13
Anthracene	---	< 10	14	---	< 10	420	< 10	< 14	< 13	< 13
Benzo(a)anthracene	---	< 10	< 10	---	< 10	270	< 10	< 14	< 13	< 13
Benzo(a)pyrene	---	< 10	< 10	---	< 10	66	< 10	< 14	< 13	< 13
Benzo(b)fluoranthene	---	< 10	< 10	---	< 10	73	< 10	< 14	< 13	< 13
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	< 10	< 10	---	< 10	17	< 10	< 14	< 13	< 13
Benzo(k)fluoranthene	---	< 10	< 10	---	< 10	70	< 10	< 14	< 13	< 13
Chrysene	---	< 10	10	---	< 10	220	< 10	< 14	< 13	< 13
Dibenzo(a,h)anthracene	---	< 10	< 10	---	< 10	< 10	< 10	< 14	< 13	< 13
Fluorene	---	< 10	44	---	< 10	780	< 10	< 14	< 13	< 13
Indeno(1,2,3-cd)pyrene	---	< 10	< 10	---	< 10	19	< 10	< 14	< 13	< 13

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-255	B-256	B-256	B-256	B-261	B-261	B-261	B-264	B-264	B-265
Sample Collection Date	25	5	10	20	10	15	30	2.5	10	5
Sample Depth (feet bgs)	01/14/2000	01/14/2000	01/14/2000	01/14/2000	01/20/2000	01/20/2000	01/20/2000	08/17/2001	08/17/2001	08/17/2001
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	24	49	---	< 10	850	< 10	120	< 13	< 13
Phenanthrene	---	< 10	< 10	---	< 10	2300	11	< 14	< 13	< 13
Pyrene	---	< 10	36	---	< 10	930	< 10	14	< 13	< 13

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-266	B-272	B-273	B-274	B-3	B-302	B-303	B-304	B-304	B-305
Sample Collection Date	5	5	5	5	0	20	20	10	19.5	10
Sample Depth (feet bgs)	08/17/2001	08/17/2001	08/20/2001	08/20/2001	11/07/2000	09/23/2005	09/26/2005	06/12/2008	06/12/2008	06/12/2008
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	5.3	14.4	3.8	2.6	---	---	---	38.2	< 2.28	< 2.31
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	22.4	45.5	26	19.9	---	---	---	68.7	21	17.8
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	23.4	11.8	27.4	17.1	---	---	---	24.3	16.8	45.8
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	324	56.3	82.6
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-266	B-272	B-273	B-274	B-3	B-302	B-303	B-304	B-304	B-305
Sample Collection Date	5	5	5	5	0	20	20	10	19.5	10
Sample Depth (feet bgs)	08/17/2001	08/17/2001	08/20/2001	08/20/2001	11/07/2000	09/23/2005	09/26/2005	06/12/2008	06/12/2008	06/12/2008
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	< 50	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	< 20	---	---	---	---	---
Diesel	< 16	130	22	< 14	240	---	---	11800	25.3	38.8
Gasoline	< 16	17	18	< 14	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	3270	< 68.4	< 69.4
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	100	170	49	< 35	1300	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,1,1-Trichloroethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	57.1	< 13.7	< 69.4
1,1,2-Trichloroethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,1-Dichloroethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,1-Dichloroethene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,1-Dichloropropene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	< 0.0571	< 0.0137	< 0.0694
1,2,3-Trichloropropane	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
1,2,4-Trichlorobenzene	---	---	---	---	---	< 0.0358	< 0.036	< 0.0571	< 0.0137	< 0.0694
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
1,2-Dibromo-3-chloropropane	---	---	---	---	---	< 35.8	< 36	< 57.1	< 13.7	< 69.4
1,2-Dibromoethane	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
1,2-Dichlorobenzene	---	---	---	---	---	< 35.8	< 36	< 57.1	< 13.7	< 69.4
1,2-Dichloroethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-266	B-272	B-273	B-274	B-3	B-302	B-303	B-304	B-304	B-305
Sample Collection Date	5	5	5	5	0	20	20	10	19.5	10
Sample Depth (feet bgs)	08/17/2001	08/17/2001	08/20/2001	08/20/2001	11/07/2000	09/23/2005	09/26/2005	06/12/2008	06/12/2008	06/12/2008
1,2-Dichloropropane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
1,3-Dichlorobenzene	---	---	---	---	---	< 35.8	< 36	< 57.1	< 13.7	< 69.4
1,3-Dichloropropane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
1,4-Dichlorobenzene	---	---	---	---	---	< 35.8	< 36	< 57.1	< 13.7	< 69.4
2,2-Dichloropropane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
2-Butanone	---	---	---	---	---	< 35.8	< 180	---	---	---
2-Chlorotoluene	---	---	---	---	---	< 35.8	< 36	---	---	---
2-Hexanone	---	---	---	---	---	< 35.8	< 36	---	---	---
4-Chlorotoluene	---	---	---	---	---	< 35.8	< 108	---	---	---
4-Isopropyltoluene	---	---	---	---	---	< 35.8	< 36	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
Acetone	---	---	---	---	---	---	---	242	< 68.4	< 347
Benzene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Bromobenzene	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
Bromodichloromethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Bromoform	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Bromomethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Bromoform	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Bromomethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Carbon disulfide	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Carbon tetrachloride	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Chlorobenzene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Chlorobromomethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Chloroethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Chloroform	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Chloromethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Dibromochloromethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Dibromomethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Dichlorodifluoromethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Ethylbenzene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Isopropylbenzene	---	---	---	---	---	< 35.8	< 71.9	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	< 22.9	< 27.4	< 139
Methyl tert-butyl ether	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Methylene chloride	---	---	---	---	---	---	---	< 57.1	< 68.4	< 347
n-Butylbenzene	---	---	---	---	---	< 35.8	< 36	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
o-Xylene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
sec-Butylbenzene	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
Styrene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
tert-Butylbenzene	---	---	---	---	---	---	---	< 0.0571	< 0.0137	< 0.0694
Tetrachloroethene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-266	B-272	B-273	B-274	B-3	B-302	B-303	B-304	B-304	B-305
Sample Collection Date	5	5	5	5	0	20	20	10	19.5	10
Sample Depth (feet bgs)	08/17/2001	08/17/2001	08/20/2001	08/20/2001	11/07/2000	09/23/2005	09/26/2005	06/12/2008	06/12/2008	06/12/2008
Toluene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Trichloroethene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Trichlorofluoromethane	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Vinyl chloride	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
2,3,4-Trichlorophenol	< 80	< 58	< 74	< 70	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	< 35.8	< 180	8760	< 45.6	< 46.3
2,3,5-Trichlorophenol	< 80	< 58	< 74	< 70	---	< 35.8	< 36	< 152	< 45.6	< 46.3
2,3,6-Trichlorophenol	< 80	< 58	< 74	< 70	---	< 35.8	< 180	1680	< 45.6	< 46.3
2,4,5-Trichlorophenol	< 80	< 58	< 74	< 70	---	< 35.8	< 36	< 152	< 45.6	< 46.3
2,4,6-Trichlorophenol	< 80	< 58	< 74	< 70	---	< 35.8	< 180	< 152	< 45.6	< 46.3
2,4-Dichlorophenol	< 80	< 58	< 74	< 70	---	< 35.8	< 36	< 152	< 45.6	< 46.3
2,4-Dimethylphenol	< 80	< 58	< 74	< 70	---	< 35.8	< 180	1630	< 45.6	< 46.3
2,4-Dinitrophenol	---	---	---	---	---	< 35.8	< 108	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	< 35.8	< 108	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	< 358.0	< 360	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	< 35.8	< 180	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	94.3	< 27.4	< 139
2-Methylphenol	---	---	---	---	---	< 35.8	< 71.9	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
2-Nitrophenol	---	---	---	---	---	---	---	< 22.9	< 27.4	< 139
3- & 4-Methylphenol	---	---	---	---	---	< 35.8	< 216	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	< 179	< 180	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	< 35.8	< 360	---	---	---
3-Nitroaniline	---	---	---	---	---	< 179	< 180	---	---	---
4,6-Dinitro-2-methylphenol	< 80	< 58	< 74	< 70	---	< 35.8	< 36	< 152.0	< 45.6	< 46.3
4-Bromophenylphenyl ether	---	---	---	---	---	< 35.8	< 216	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	< 179	< 360	---	---	---
4-Chloroaniline	---	---	---	---	---	< 35.8	< 36	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	< 35.8	< 72	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
4-Nitrophenol	---	---	---	---	---	---	---	< 22.9	< 27.4	< 139
Aniline	---	---	---	---	---	< 35.8	< 180	---	---	---
Benzoic acid	---	---	---	---	---	< 179	< 180	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-266	B-272	B-273	B-274	B-3	B-302	B-303	B-304	B-304	B-305
Sample Collection Date	5	5	5	5	0	20	20	10	19.5	10
Sample Depth (feet bgs)	08/17/2001	08/17/2001	08/20/2001	08/20/2001	11/07/2000	09/23/2005	09/26/2005	06/12/2008	06/12/2008	06/12/2008
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	< 716	< 719	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	< 35.8	< 180	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	< 35.8	< 36	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	< 35.8	< 36	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	< 35.8	< 71.9	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	43.7	59.3	< 152	< 45.6	< 46.3
Dibenzofuran	---	---	---	---	---	< 35.8	< 36	---	---	---
Diethylphthalate	< 16	270	61	< 14	---	< 35.8	44.2	1630	< 45.6	< 46.3
Dimethyl phthalate	< 16	330	280	< 14	---	53	908	629	71.1	< 46.3
Di-n-butyl phthalate	---	---	---	---	---	< 35.8	< 36	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	< 35.8	< 36	---	---	---
Fluoranthene	---	---	---	---	---	< 35.8	< 36	---	---	---
Hexachlorobenzene	---	---	---	---	---	< 35.8	< 36	---	---	---
Hexachlorobutadiene	< 16	710	390	76	---	500	2280	28300	< 45.6	< 46.3
Hexachlorocyclopentadiene	---	---	---	---	---	< 35.8	< 36	---	---	---
Hexachloroethane	---	---	---	---	---	< 35.8	< 71.9	< 57.1	< 13.7	< 69.4
Isophorone	---	---	---	---	---	< 35.8	< 180	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	< 11.4	< 13.7	< 69.4
N-Nitrosodimethylamine	---	---	---	---	---	---	---	< 57.1	< 13.7	< 69.4
N-Nitrosodiphenylamine	---	---	---	---	---	< 35.8	< 36	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 80	< 58	< 74	< 70	---	< 53.7	< 180	119000	< 68.4	< 69.4
Phenol	---	---	---	---	---	< 35.8	< 71.9	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	< 35.8	< 36	< 160	< 76.2	< 46.3
2-Methylnaphthalene	< 16	700	950	< 14	---	50.5	< 36	< 152	< 45.6	< 46.3
Acenaphthene	21	1000	580	18	---	96	233	4950	< 181	< 46.3
Acenaphthylene	< 16	< 12	< 15	< 14	---	< 35.8	< 36	518	< 45.6	< 46.3
Anthracene	< 16	190	190	< 14	---	139	1660	3650	< 45.6	< 46.3
Benzo(a)anthracene	< 16	100	61	16	---	1600	310	6080	< 45.6	< 46.3
Benzo(a)pyrene	< 16	31	20	< 14	---	1070	< 36	1360	< 45.6	< 46.3
Benzo(b)fluoranthene	< 16	57	25	< 14	---	1610	79.1	3200	< 45.6	< 46.3
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 16	< 12	< 15	< 14	---	234	< 36	561	< 45.6	< 46.3
Benzo(k)fluoranthene	< 16	47	22	< 14	---	637	< 36	1250	< 45.6	< 46.3
Chrysene	< 16	120	57	22	---	1460	286	6350	< 45.6	< 46.3
Dibenzo(a,h)anthracene	< 16	< 12	< 15	< 14	---	62	< 36	262	< 45.6	< 46.3
Fluorene	< 16	490	360	< 14	---	92.4	1060	1570	79.8	< 46.3
Indeno(1,2,3-cd)pyrene	< 16	12	< 15	< 14	---	266	< 36	627	< 45.6	< 46.3

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-266	B-272	B-273	B-274	B-3	B-302	B-303	B-304	B-304	B-305
Sample Collection Date	5	5	5	5	0	20	20	10	19.5	10
Sample Depth (feet bgs)	08/17/2001	08/17/2001	08/20/2001	08/20/2001	11/07/2000	09/23/2005	09/26/2005	06/12/2008	06/12/2008	06/12/2008
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	52	2400	1700	1300	---	85.2	61.1	596	< 45.6	< 69.4
Phenanthrene	< 16	930	960	35	---	275	5870	4930	< 45.6	< 46.3
Pyrene	< 16	540	290	67	---	564	1370	32400	< 45.6	< 46.3

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-305	B-306	B-306	B-306	B-313	B-313	B-313	B-313	B-42	B-42
Sample Collection Date	19	2.5	15	18	2.5	5	10	15	8	12.5
Sample Depth (feet bgs)	06/12/2008	03/11/2009	03/11/2009	03/11/2009	05/21/2009	05/21/2009	05/21/2009	05/21/2009	12/09/1997	12/09/1997
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	12.1	---	2.58	---	---	---	---	---	---
Arsenic	< 2.55	592	---	2.75	1.53	1.56	2.22	3.57	3	1
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	1.06	---	1.11	---	---	---	---	---	---
Cadmium	---	4.58	---	< 0.109	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	34.1	367	---	18.2	7.73	8.05	12.6	21.1	12	9
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	22.8	348	---	24.3	2.74	3.06	9.53	16.8	28	18
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	9.76	---	< 2.17	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	12.3	---	11.2	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	< 2.06	---	< 2.17	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	< 2.58	---	< 2.72	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	78.3	669	---	63.5	32.8	47.2	59	59	48	38
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	280000	400000	400000	8.7	6.1	5	4.8	---	---
1,2,3,4,6,7,8-HpCDF	---	18000	4000	4000	0.86	1	0.76	0.59	---	---
1,2,3,4,7,8,9-HpCDF	---	1300	210	210	< 0.14	< 0.076	< 0.088	< 0.079	---	---
1,2,3,4,7,8-HxCDD	---	440	1100	1100	< 0.15	< 0.11	< 0.19	< 0.12	---	---
1,2,3,4,7,8-HxCDF	---	6600	< 1200	< 1200	< 0.21	0.35	< 0.084	< 0.077	---	---
1,2,3,6,7,8-HxCDD	---	10000	10000	10000	0.36	0.31	0.21	< 0.17	---	---
1,2,3,6,7,8-HxCDF	---	800	250	250	< 0.24	< 0.092	0.11	< 0.095	---	---
1,2,3,7,8,9-HxCDD	---	1800	4500	4500	< 0.13	< 0.14	< 0.12	< 0.16	---	---
1,2,3,7,8,9-HxCDF	---	150	< 40	< 0.91	< 0.078	< 0.097	< 0.078	< 0.092	---	---
1,2,3,7,8-PeCDD	---	170	180	180	< 0.13	< 0.085	< 0.092	< 0.11	---	---
1,2,3,7,8-PeCDF	---	620	110	110	< 0.18	< 0.14	< 0.17	< 0.13	---	---
2,3,4,6,7,8-HxCDF	---	710	140	140	< 0.083	< 0.16	< 0.11	< 0.086	---	---
2,3,4,7,8-PeCDF	---	850	220	220	< 0.11	0.2	< 0.1	< 0.096	---	---
2,3,7,8-TCDD	---	< 0.18	< 7.9	< 0.18	< 0.24	< 0.11	< 0.16	< 0.18	---	---
2,3,7,8-TCDF	---	< 120	38	38	< 0.19	< 0.11	< 0.13	0.23	---	---
OCDD	---	4200000	2100000	2100000	120	59	67	45	---	---
OCDF	---	53000	17000	17000	1.7	0.99	1.5	< 0.02	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-305	B-306	B-306	B-306	B-313	B-313	B-313	B-313	B-42	B-42
Sample Collection Date	19	2.5	15	18	2.5	5	10	15	8	12.5
Sample Depth (feet bgs)	06/12/2008	03/11/2009	03/11/2009	03/11/2009	05/21/2009	05/21/2009	05/21/2009	05/21/2009	12/09/1997	12/09/1997
Total HpCDDs	---	650000	690000	690000	16	11	9.8	9.6	---	---
Total HpCDFs	---	64000	17000	17000	2.6	2.7	0.76	1.7	---	---
Total HxCDDs	---	49000	130000	130000	1	0.99	0.6	1.7	---	---
Total HxCDFs	---	50000	8300	8300	0.48	2.4	1.4	1.1	---	---
Total PeCDDs	---	2600	3600	3600	< 0.13	< 0.085	< 0.092	< 0.11	---	---
Total PeCDFs	---	11000	2200	2200	< 0.15	1.1	0.36	0.34	---	---
Total TCDDs	---	2500	2000	2000	0.62	< 0.11	< 0.16	< 0.18	---	---
Total TCDFs	---	1700	420	420	< 0.19	< 0.11	< 0.13	0.49	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	6700	6600	6600	0.42	0.35	0.29	0.29	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	29.2	---	---	---	< 15.9	---	< 19.4	< 19.9	---	< 10
Gasoline	---	---	---	---	---	---	---	---	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	< 10
Kerosene	---	---	---	---	---	---	---	---	---	< 10
Lube-Oil-Range Hydrocarbons	< 68.9	---	---	---	< 53	---	80.3	< 66.5	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	< 10
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	< 20
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 13.8	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	< 13.8	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	< 13.8	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	< 13.8	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	< 13.8	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	< 13.8	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	< 13.8	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	< 0.0138	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	< 13.8	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	< 0.0138	---	---	---	< 0.0353	< 0.0358	< 0.043	< 0.0443	---	---
1,2,4-Trimethylbenzene	< 13.8	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	< 13.8	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
1,2-Dibromoethane	< 13.8	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	< 13.8	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
1,2-Dichloroethane	< 13.8	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-305	B-306	B-306	B-306	B-313	B-313	B-313	B-313	B-42	B-42
Sample Collection Date	19	2.5	15	18	2.5	5	10	15	8	12.5
Sample Depth (feet bgs)	06/12/2008	03/11/2009	03/11/2009	03/11/2009	05/21/2009	05/21/2009	05/21/2009	05/21/2009	12/09/1997	12/09/1997
1,2-Dichloropropane	< 13.8	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	< 13.8	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	< 13.8	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
1,3-Dichloropropane	< 13.8	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	< 13.8	---	---	---	< 35.3	< 35.8	< 43	44.3	---	---
2,2-Dichloropropane	< 13.8	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2-Hexanone	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Chlorotoluene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Isopropyltoluene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Methyl-2-pentanone	< 13.8	---	---	---	---	---	---	---	---	---
Acetone	< 68.9	---	---	---	---	---	---	---	---	---
Benzene	< 13.8	---	---	---	---	---	---	---	---	---
Bromobenzene	< 13.8	---	---	---	---	---	---	---	---	---
Bromodichloromethane	< 13.8	---	---	---	---	---	---	---	---	---
Bromoform	< 13.8	---	---	---	---	---	---	---	---	---
Bromomethane	< 13.8	---	---	---	---	---	---	---	---	---
Carbon disulfide	< 13.8	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	< 13.8	---	---	---	---	---	---	---	---	---
Chlorobenzene	< 13.8	---	---	---	---	---	---	---	---	---
Chlorobromomethane	< 13.8	---	---	---	---	---	---	---	---	---
Chloroethane	< 13.8	---	---	---	---	---	---	---	---	---
Chloroform	< 13.8	---	---	---	---	---	---	---	---	---
Chloromethane	< 13.8	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	< 13.8	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	< 13.8	---	---	---	---	---	---	---	---	---
Dibromochloromethane	< 13.8	---	---	---	---	---	---	---	---	---
Dibromomethane	< 13.8	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	< 13.8	---	---	---	---	---	---	---	---	---
Ethylbenzene	< 13.8	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
m,p-Xylene	< 27.5	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	< 13.8	---	---	---	---	---	---	---	---	---
Methylene chloride	< 68.9	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
n-Propylbenzene	< 13.8	---	---	---	---	---	---	---	---	---
o-Xylene	< 13.8	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	< 13.8	---	---	---	---	---	---	---	---	---
Styrene	< 13.8	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	< 0.0138	---	---	---	---	---	---	---	---	---
Tetrachloroethene	< 13.8	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-305	B-306	B-306	B-306	B-313	B-313	B-313	B-313	B-42	B-42
Sample Collection Date	19	2.5	15	18	2.5	5	10	15	8	12.5
Sample Depth (feet bgs)	06/12/2008	03/11/2009	03/11/2009	03/11/2009	05/21/2009	05/21/2009	05/21/2009	05/21/2009	12/09/1997	12/09/1997
Toluene	< 13.8	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	< 13.8	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	< 13.8	---	---	---	---	---	---	---	---	---
Trichloroethene	< 13.8	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	< 13.8	---	---	---	---	---	---	---	---	---
Vinyl chloride	< 13.8	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 13.8	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	< 13.8	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,3,5-Trichlorophenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,3,6-Trichlorophenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,4,5-Trichlorophenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,4,6-Trichlorophenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	< 300
2,4-Dichlorophenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,4-Dimethylphenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	< 300
2,4-Dinitrophenol	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,4-Dinitrotoluene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2,6-Dichlorophenol	---	---	---	---	< 353	< 358	< 430	< 443	---	---
2,6-Dinitrotoluene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	< 27.5	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	< 300
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	< 13.8	---	---	---	---	---	---	---	---	---
2-Nitrophenol	< 27.5	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
3,3-Dichlorobenzidine	---	---	---	---	< 177	< 179	< 215	< 222	---	---
3,4,5-Trichlorophenol	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	< 300
3-Nitroaniline	---	---	---	---	< 177	< 179	< 215	< 222	---	---
4,6-Dinitro-2-methylphenol	< 45.9	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Bromophenylphenyl ether	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Chloro-3-methylphenol	---	---	---	---	< 177	< 179	< 215	< 222	---	---
4-Chloroaniline	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Chlorophenylphenyl ether	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
4-Nitroaniline	< 13.8	---	---	---	---	---	---	---	---	---
4-Nitrophenol	< 27.5	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Benzoic acid	---	---	---	---	< 177	< 179	< 215	< 222	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-305	B-306	B-306	B-306	B-313	B-313	B-313	B-313	B-42	B-42
Sample Collection Date	19	2.5	15	18	2.5	5	10	15	8	12.5
Sample Depth (feet bgs)	06/12/2008	03/11/2009	03/11/2009	03/11/2009	05/21/2009	05/21/2009	05/21/2009	05/21/2009	12/09/1997	12/09/1997
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	< 706	< 717	< 860	< 887	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Butylbenzylphthalate	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Carbazole	< 45.9	---	---	---	< 35.3	46.9	< 43	< 44.3	---	---
Dibenzofuran	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Diethylphthalate	171	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	< 300
Dimethyl phthalate	227	---	---	---	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Di-n-butyl phthalate	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Di-n-octyl phthalate	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Fluoranthene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Hexachlorobenzene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Hexachlorobutadiene	< 45.9	310000	---	55800	< 35.3	< 35.8	< 43	< 44.3	5000	---
Hexachlorocyclopentadiene	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Hexachloroethane	< 13.8	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Isophorone	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
Nitrobenzene	< 13.8	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	< 13.8	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 68.9	46700	---	853	< 53	< 53.7	< 64.5	< 66.5	5000	55
Phenol	---	---	---	---	< 35.3	< 35.8	43	< 44.3	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	374	---	---	---	< 35.3	< 35.8	< 43	< 44.3	---	---
2-Methylnaphthalene	< 93.7	---	---	---	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Acenaphthene	407	36000	---	541	< 35.3	< 35.8	< 43	< 44.3	1290	---
Acenaphthylene	< 45.9	1880	---	172	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Anthracene	45.9	77700	---	6640	< 35.3	< 35.8	< 43	< 44.3	3000	---
Benzo(a)anthracene	< 45.9	49100	---	17500	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Benzo(a)pyrene	< 45.9	15700	---	3070	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Benzo(b)fluoranthene	< 45.9	39600	---	5560	< 35.3	< 35.8	< 43	< 44.3	265	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	< 1000	---
Benzo(ghi)perylene	< 45.9	5770	---	892	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Benzo(k)fluoranthene	< 45.9	10700	---	1360	< 35.3	< 35.8	< 43	< 44.3	316	---
Chrysene	< 45.9	50700	---	15600	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Dibenzo(a,h)anthracene	< 45.9	4300	---	445	< 35.3	< 35.8	< 43	< 44.3	28	---
Fluorene	181	13400	---	1530	< 35.3	< 35.8	< 43	< 44.3	1220	---
Indeno(1,2,3-cd)pyrene	< 45.9	7630	---	983	< 35.3	< 35.8	< 43	< 44.3	86	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-305	B-306	B-306	B-306	B-313	B-313	B-313	B-313	B-42	B-42
Sample Collection Date	19	2.5	15	18	2.5	5	10	15	8	12.5
Sample Depth (feet bgs)	06/12/2008	03/11/2009	03/11/2009	03/11/2009	05/21/2009	05/21/2009	05/21/2009	05/21/2009	12/09/1997	12/09/1997
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	< 1000	---
Naphthalene	77.6	863	---	61.4	< 35.3	< 35.8	< 43	< 44.3	< 1000	---
Phenanthrene	99.6	86900	---	26000	< 35.3	< 35.8	< 43	< 44.3	4100	< 300
Pyrene	< 45.9	194000	---	55300	< 35.3	< 35.8	< 43	< 44.3	4700	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-42	B-47	B-47	B-47	B-49	B-49	B-50	B-50	B-51	B-51
Sample Collection Date	15.5	3.5	9.5	15.5	5	9.5	3.5	8	3.5	9.5
Sample Depth (feet bgs)	12/09/1997	11/18/1997	11/18/1997	11/18/1997	11/25/1997	11/25/1997	11/21/1997	11/21/1997	11/24/1997	11/24/1997
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	1	6	2	2	7	4	15	5	7	5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	10	14	8	11	16	8	22	11	16	16
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	23	15	32	26	11	22	14	24	14	30
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	40	52	73	38	55	40	62	44	55	48
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-42	B-47	B-47	B-47	B-49	B-49	B-50	B-50	B-51	B-51
Sample Collection Date	15.5	3.5	9.5	15.5	5	9.5	3.5	8	3.5	9.5
Sample Depth (feet bgs)	12/09/1997	11/18/1997	11/18/1997	11/18/1997	11/25/1997	11/25/1997	11/21/1997	11/21/1997	11/24/1997	11/24/1997
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	< 10
Gasoline	---	---	---	---	---	---	---	---	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	< 10
Kerosene	---	---	---	---	---	---	---	---	---	< 10
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	< 10
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	< 20
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-42	B-47	B-47	B-47	B-49	B-49	B-50	B-50	B-51	B-51
Sample Collection Date	15.5	3.5	9.5	15.5	5	9.5	3.5	8	3.5	9.5
Sample Depth (feet bgs)	12/09/1997	11/18/1997	11/18/1997	11/18/1997	11/25/1997	11/25/1997	11/21/1997	11/21/1997	11/24/1997	11/24/1997
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-42	B-47	B-47	B-47	B-49	B-49	B-50	B-50	B-51	B-51
Sample Collection Date	15.5	3.5	9.5	15.5	5	9.5	3.5	8	3.5	9.5
Sample Depth (feet bgs)	12/09/1997	11/18/1997	11/18/1997	11/18/1997	11/25/1997	11/25/1997	11/21/1997	11/21/1997	11/24/1997	11/24/1997
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	< 300	---	< 5	---	---	< 300	---	< 300
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	< 300	---	---	---	---	< 300	---	< 300
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	< 300	---	---	---	---	< 300	---	< 300
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	< 300	---	---	---	---	< 300	---	< 300
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-42	B-47	B-47	B-47	B-49	B-49	B-50	B-50	B-51	B-51
Sample Collection Date	15.5	3.5	9.5	15.5	5	9.5	3.5	8	3.5	9.5
Sample Depth (feet bgs)	12/09/1997	11/18/1997	11/18/1997	11/18/1997	11/25/1997	11/25/1997	11/21/1997	11/21/1997	11/24/1997	11/24/1997
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	< 300	---	---	---	---	< 300	---	< 300
Dimethyl phthalate	10000	< 1000	< 5	24000	< 1000	6000	< 1000	10	14000	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	13000	< 1000	5	33000	< 1000	5000	< 1000	32	18000	50
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	55000	3000	1700	32000	< 1000	6000	2000	1000	13000	780
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	66	---	41	---	---	55	---	< 50
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	21000	< 1000	< 5	29000	< 1000	16000	< 1000	14	10000	---
Acenaphthene	15000	< 1000	< 5	32000	< 1000	9000	< 1000	11	23000	< 100
Acenaphthylene	< 1000	< 1000	< 5	2000	< 1000	< 1000	< 1000	< 5	< 1000	< 100
Anthracene	6000	< 1000	6	11000	< 1000	2000	< 1000	31	3000	< 10
Benzo(a)anthracene	1000	< 1000	< 5	3000	< 1000	< 1000	< 1000	11	< 1000	< 10
Benzo(a)pyrene	2000	< 1000	< 5	< 1000	< 1000	< 1000	< 1000	5	< 1000	< 10
Benzo(b)fluoranthene	---	---	< 5	---	---	---	---	< 5	---	< 20
Benzo(b+k)fluoranthene	1000	< 1000	---	< 1000	< 1000	< 1000	< 1000	---	< 1000	---
Benzo(ghi)perylene	< 1000	< 1000	< 5	< 1000	< 1000	< 1000	< 1000	< 5	< 1000	< 20
Benzo(k)fluoranthene	---	---	< 5	---	---	---	---	< 5	---	< 10
Chrysene	2000	< 1000	< 5	2000	< 1000	< 1000	< 1000	10	< 1000	< 10
Dibenzo(a,h)anthracene	---	---	< 5	---	---	---	---	< 5	---	< 10
Fluorene	9000	< 1000	< 5	20000	< 1000	6000	< 1000	10	13000	< 20
Indeno(1,2,3-cd)pyrene	---	---	< 5	---	---	---	---	< 5	---	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-42	B-47	B-47	B-47	B-49	B-49	B-50	B-50	B-51	B-51
Sample Collection Date	15.5	3.5	9.5	15.5	5	9.5	3.5	8	3.5	9.5
Sample Depth (feet bgs)	12/09/1997	11/18/1997	11/18/1997	11/18/1997	11/25/1997	11/25/1997	11/21/1997	11/21/1997	11/24/1997	11/24/1997
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	< 1000	1000	---	2000	< 1000	< 1000	< 1000	---	< 1000	---
Naphthalene	68000	< 1000	10	66000	< 1000	52000	1000	42	20000	< 100
Phenanthrene	27000	< 1000	< 300	74000	< 1000	13000	< 1000	< 300	34000	< 300
Pyrene	13000	< 1000	< 5	25000	< 1000	5000	< 1000	30	11000	< 20

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-52	B-52	B-53	B-53	B-54	B-54	B-55	B-55	B-56	B-56
Sample Collection Date	3.5	9.5	9.5	15.5	8	15.5	8	17	6.5	12.5
Sample Depth (feet bgs)	11/20/1997	11/20/1997	01/14/1998	01/14/1998	01/14/1998	01/14/1998	01/15/1998	01/15/1998	01/15/1998	01/15/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	101	3	4	2	7	1	6	4	8	3
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	37	7	14	10	22	9	20	12	20	8
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	20	19	30	39	18	16	14	14	13	22
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	153	36	38	48	59	33	59	37	53	36
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-52	B-52	B-53	B-53	B-54	B-54	B-55	B-55	B-56	B-56
Sample Collection Date	3.5	9.5	9.5	15.5	8	15.5	8	17	6.5	12.5
Sample Depth (feet bgs)	11/20/1997	11/20/1997	01/14/1998	01/14/1998	01/14/1998	01/14/1998	01/15/1998	01/15/1998	01/15/1998	01/15/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-52	B-52	B-53	B-53	B-54	B-54	B-55	B-55	B-56	B-56
Sample Collection Date	3.5	9.5	9.5	15.5	8	15.5	8	17	6.5	12.5
Sample Depth (feet bgs)	11/20/1997	11/20/1997	01/14/1998	01/14/1998	01/14/1998	01/14/1998	01/15/1998	01/15/1998	01/15/1998	01/15/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-52	B-52	B-53	B-53	B-54	B-54	B-55	B-55	B-56	B-56
Sample Collection Date	3.5	9.5	9.5	15.5	8	15.5	8	17	6.5	12.5
Sample Depth (feet bgs)	11/20/1997	11/20/1997	01/14/1998	01/14/1998	01/14/1998	01/14/1998	01/15/1998	01/15/1998	01/15/1998	01/15/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 300	---	< 300	< 300	< 300	---	< 300	---	< 300	---
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	< 300	---	< 300	< 300	< 300	---	< 300	---	< 300	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	< 300	---	< 300	< 300	< 300	---	< 300	---	< 300	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 300	---	< 300	< 300	< 300	---	< 300	---	< 300	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-52	B-52	B-53	B-53	B-54	B-54	B-55	B-55	B-56	B-56
Sample Collection Date	3.5	9.5	9.5	15.5	8	15.5	8	17	6.5	12.5
Sample Depth (feet bgs)	11/20/1997	11/20/1997	01/14/1998	01/14/1998	01/14/1998	01/14/1998	01/15/1998	01/15/1998	01/15/1998	01/15/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	< 300	---	< 300	< 300	< 300	---	< 300	---	< 300	---
Dimethyl phthalate	116	51000	< 5	158	131	< 1000	66	3000	< 5	2000
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	1050	38000	< 5	833	168	< 1000	16	5000	< 5	4000
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	3700	39000	15	200	600	< 1000	49	21000	35	15000
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	150	---	< 5	5	119	---	25	---	< 5	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	174	98000	< 5	115	< 5	< 1000	35	7000	72	3000
Acenaphthene	136	68000	< 5	224	119	< 1000	69	5000	16	3000
Acenaphthylene	9	2000	< 5	< 5	< 5	< 1000	< 5	< 1000	< 5	< 1000
Anthracene	240	21000	< 5	325	93	< 1000	10	2000	< 5	1000
Benzo(a)anthracene	214	< 1000	< 5	224	32	< 1000	< 5	< 1000	< 5	< 1000
Benzo(a)pyrene	70	< 1000	< 5	71	8	< 1000	< 5	< 1000	< 5	< 1000
Benzo(b)fluoranthene	97	---	< 5	78	8	---	< 5	---	< 5	---
Benzo(b+k)fluoranthene	---	< 1000	---	---	---	< 1000	---	< 1000	---	< 1000
Benzo(ghi)perylene	38	< 1000	< 5	20	5	< 1000	106	< 1000	< 5	< 1000
Benzo(k)fluoranthene	132	---	< 5	84	6	---	< 5	---	< 5	---
Chrysene	243	2000	< 5	193	26	< 1000	< 5	< 1000	< 5	< 1000
Dibenzo(a,h)anthracene	11	---	< 5	< 5	< 5	---	5	---	< 5	---
Fluorene	168	37000	< 5	287	161	< 1000	49	3000	< 5	2000
Indeno(1,2,3-cd)pyrene	42	---	< 5	28	< 5	---	6	---	6	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-52	B-52	B-53	B-53	B-54	B-54	B-55	B-55	B-56	B-56
Sample Collection Date	3.5	9.5	9.5	15.5	8	15.5	8	17	6.5	12.5
Sample Depth (feet bgs)	11/20/1997	11/20/1997	01/14/1998	01/14/1998	01/14/1998	01/14/1998	01/15/1998	01/15/1998	01/15/1998	01/15/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	< 1000	---	---	---	< 1000	---	< 1000	---	< 1000
Naphthalene	964	322000	< 5	26	27	< 1000	340	68000	252	8000
Phenanthrene	773	92000	< 300	1080	< 300	< 1000	< 300	10000	< 300	8000
Pyrene	844	27000	< 5	742	150	< 1000	11	5000	< 5	2000

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-57	B-57	B-58	B-58	B-58A	B-58A	B-6	B-62	B-62	B-63
Sample Collection Date	8	14	6.5	14	5	17	33	5	17	5
Sample Depth (feet bgs)	01/16/1998	01/16/1998	01/16/1998	01/16/1998	06/12/1998	06/12/1998	02/04/1991	06/12/1998	06/12/1998	06/12/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	8	2	2	2	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	20	13	12	14	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	15	24	21	21	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	63	44	38	23	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-57	B-57	B-58	B-58	B-58A	B-58A	B-6	B-62	B-62	B-63
Sample Collection Date	8	14	6.5	14	5	17	33	5	17	5
Sample Depth (feet bgs)	01/16/1998	01/16/1998	01/16/1998	01/16/1998	06/12/1998	06/12/1998	02/04/1991	06/12/1998	06/12/1998	06/12/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-57	B-57	B-58	B-58	B-58A	B-58A	B-6	B-62	B-62	B-63
Sample Collection Date	8	14	6.5	14	5	17	33	5	17	5
Sample Depth (feet bgs)	01/16/1998	01/16/1998	01/16/1998	01/16/1998	06/12/1998	06/12/1998	02/04/1991	06/12/1998	06/12/1998	06/12/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-57	B-57	B-58	B-58	B-58A	B-58A	B-6	B-62	B-62	B-63
Sample Collection Date	8	14	6.5	14	5	17	33	5	17	5
Sample Depth (feet bgs)	01/16/1998	01/16/1998	01/16/1998	01/16/1998	06/12/1998	06/12/1998	02/04/1991	06/12/1998	06/12/1998	06/12/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	< 50	< 50	---	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	< 50	< 50	---	< 50	< 50	< 50
2,3,6-Trichlorophenol	---	---	---	---	< 50	< 50	---	< 50	< 50	< 50
2,4,5-Trichlorophenol	---	---	---	---	< 50	< 50	---	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 300	---	< 300	---	< 50	< 50	---	< 50	< 50	< 50
2,4-Dichlorophenol	---	---	---	---	< 50	< 50	---	< 50	< 50	< 50
2,4-Dimethylphenol	< 300	---	< 300	---	< 50	< 50	---	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	< 300	---	< 300	---	---	---	< 2500	---	---	---
3-Methylphenol	---	---	---	---	---	---	< 2500	---	---	---
4-Methylphenol	---	---	---	---	---	---	< 2500	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 300	---	< 300	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	< 50	< 50	---	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-57	B-57	B-58	B-58	B-58A	B-58A	B-6	B-62	B-62	B-63
Sample Collection Date	8	14	6.5	14	5	17	33	5	17	5
Sample Depth (feet bgs)	01/16/1998	01/16/1998	01/16/1998	01/16/1998	06/12/1998	06/12/1998	02/04/1991	06/12/1998	06/12/1998	06/12/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	< 300	---	< 300	---	---	---	---	---	---	---
Dimethyl phthalate	< 5	14000	< 5	10000	< 5	< 5	---	< 5	< 5	< 5
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	< 5	18000	11	21000	15	< 10	---	10	< 10	< 10
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	31	94000	69	123000	< 100	< 100	< 2500	< 100	< 100	< 100
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	< 5	---	< 5	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	14000	< 5	7000	< 5	< 5	---	< 5	< 5	< 5
Acenaphthene	< 5	18000	< 5	14000	< 10	< 10	---	< 10	< 10	< 10
Acenaphthylene	< 5	< 1000	< 5	< 1000	< 10	< 10	---	< 10	< 10	< 10
Anthracene	< 5	5000	< 5	4000	< 5	< 5	---	< 5	< 5	< 5
Benzo(a)anthracene	< 5	< 1000	< 5	< 1000	< 10	< 10	---	< 10	< 10	< 10
Benzo(a)pyrene	< 5	< 1000	< 5	< 1000	10	< 10	---	< 10	< 10	< 10
Benzo(b)fluoranthene	< 5	---	< 5	---	26	< 10	---	< 10	< 10	< 10
Benzo(b+k)fluoranthene	---	< 1000	---	< 1000	---	---	---	---	---	---
Benzo(ghi)perylene	< 5	< 1000	5	< 1000	16	< 5	---	< 5	< 5	7
Benzo(k)fluoranthene	< 5	---	< 5	---	31	< 10	---	< 10	< 10	< 10
Chrysene	< 5	< 1000	< 5	1000	23	< 10	---	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 5	---	6	---	< 5	< 5	---	< 5	< 5	< 5
Fluorene	< 5	13000	< 5	11000	< 10	< 10	---	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	< 5	---	5	---	22	< 5	---	< 5	< 5	8

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-57	B-57	B-58	B-58	B-58A	B-58A	B-6	B-62	B-62	B-63
Sample Collection Date	8	14	6.5	14	5	17	33	5	17	5
Sample Depth (feet bgs)	01/16/1998	01/16/1998	01/16/1998	01/16/1998	06/12/1998	06/12/1998	02/04/1991	06/12/1998	06/12/1998	06/12/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	< 1000	---	< 1000	---	---	---	---	---	---
Naphthalene	13	30000	< 5	11000	< 5	< 5	---	< 5	< 5	< 5
Phenanthrene	< 300	37000	< 300	38000	< 10	< 10	---	< 10	< 10	< 10
Pyrene	< 5	13000	10	18000	17	< 10	---	11	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-63	B-66	B-66	B-69	B-69	B-69	B-69	B-69	B-7	B-7
Sample Collection Date	17	5	17	0.5	2.5	5	10	17	5.5	13.5
Sample Depth (feet bgs)	06/12/1998	06/12/1998	06/12/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	02/04/1991	02/04/1991
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	19	4	4	1	2	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	26	19	18	8	8	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	33	19	24	19	17	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	63	52	44	34	32	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-63	B-66	B-66	B-69	B-69	B-69	B-69	B-69	B-7	B-7
Sample Collection Date	17	5	17	0.5	2.5	5	10	17	5.5	13.5
Sample Depth (feet bgs)	06/12/1998	06/12/1998	06/12/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	02/04/1991	02/04/1991
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	< 10	< 10	< 10	< 10	< 10	---	---
Gasoline	---	---	---	< 10	< 10	< 10	< 10	< 10	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	< 25	< 25	< 25	< 25	< 25	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	< 10	< 10	< 10	< 10	< 10	---	---
Kerosene	---	---	---	< 10	< 10	< 10	< 10	< 10	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	219	< 25	< 25	< 25	< 25	---	---
Mineral spirits	---	---	---	< 10	< 10	< 10	< 10	< 10	---	---
Naphtha Distillate	---	---	---	< 10	< 10	< 10	< 10	< 10	---	---
Non-PHC as Diesel	---	---	---	< 50	< 50	< 50	< 50	< 50	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	< 25	< 25	< 25	< 25	< 25	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-63	B-66	B-66	B-69	B-69	B-69	B-69	B-69	B-7	B-7
Sample Collection Date	17	5	17	0.5	2.5	5	10	17	5.5	13.5
Sample Depth (feet bgs)	06/12/1998	06/12/1998	06/12/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	02/04/1991	02/04/1991
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-63	B-66	B-66	B-69	B-69	B-69	B-69	B-69	B-7	B-7
Sample Collection Date	17	5	17	0.5	2.5	5	10	17	5.5	13.5
Sample Depth (feet bgs)	06/12/1998	06/12/1998	06/12/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	02/04/1991	02/04/1991
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	58	< 50	< 50	< 50	< 50	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
2,4-Dichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
2,4-Dimethylphenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	< 2500	< 2500
3-Methylphenol	---	---	---	---	---	---	---	---	< 2500	< 2500
4-Methylphenol	---	---	---	---	---	---	---	---	< 2500	< 2500
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-63	B-66	B-66	B-69	B-69	B-69	B-69	B-69	B-7	B-7
Sample Collection Date	17	5	17	0.5	2.5	5	10	17	5.5	13.5
Sample Depth (feet bgs)	06/12/1998	06/12/1998	06/12/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	02/04/1991	02/04/1991
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	< 10	< 10	< 10	< 1500	< 10	< 10	< 10	< 10	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 100	< 100	< 100	1300	< 100	< 100	< 100	< 100	< 2500	< 2500
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---
Acenaphthene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---
Acenaphthylene	< 10	< 10	< 10	79	< 10	< 10	< 10	< 10	---	---
Anthracene	< 5	< 5	< 5	540	< 5	< 5	< 5	< 5	---	---
Benzo(a)anthracene	< 10	< 10	< 10	2000	< 10	< 10	< 10	< 10	---	---
Benzo(a)pyrene	< 10	< 10	< 10	930	< 10	< 10	< 10	< 10	---	---
Benzo(b)fluoranthene	< 10	< 10	< 10	2300	< 10	< 10	< 10	< 10	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 5	< 5	< 5	430	< 5	< 5	< 5	< 5	---	---
Benzo(k)fluoranthene	< 10	< 10	< 10	2100	< 10	< 10	< 10	< 10	---	---
Chrysene	< 10	< 10	< 10	4200	< 10	< 10	< 10	< 10	---	---
Dibenzo(a,h)anthracene	< 5	< 5	< 5	150	< 5	< 5	< 5	< 5	---	---
Fluorene	< 10	< 10	< 10	13	< 10	< 10	< 10	< 10	---	---
Indeno(1,2,3-cd)pyrene	< 5	< 5	< 5	980	< 5	< 5	< 5	< 5	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-63	B-66	B-66	B-69	B-69	B-69	B-69	B-69	B-7	B-7
Sample Collection Date	17	5	17	0.5	2.5	5	10	17	5.5	13.5
Sample Depth (feet bgs)	06/12/1998	06/12/1998	06/12/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	06/16/1998	02/04/1991	02/04/1991
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---
Phenanthrene	< 10	< 10	< 10	150	< 10	< 10	< 10	< 10	---	---
Pyrene	< 10	< 10	< 10	2200	< 10	< 10	< 10	< 10	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-72	B-72	B-72	B-72	B-73	B-74	B-74	B-75	B-75	B-76
Sample Collection Date	0.5	5	10	17	17	2.5	17	2.5	17	10
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	22	3	2	2	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	36	15	16	8	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	50	16	25	19	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	111	32	41	34	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-72	B-72	B-72	B-72	B-73	B-74	B-74	B-75	B-75	B-76
Sample Collection Date	0.5	5	10	17	17	2.5	17	2.5	17	10
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-72	B-72	B-72	B-72	B-73	B-74	B-74	B-75	B-75	B-76
Sample Collection Date	0.5	5	10	17	17	2.5	17	2.5	17	10
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-72	B-72	B-72	B-72	B-73	B-74	B-74	B-75	B-75	B-76
Sample Collection Date	0.5	5	10	17	17	2.5	17	2.5	17	10
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dichlorophenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dimethylphenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 10000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-72	B-72	B-72	B-72	B-73	B-74	B-74	B-75	B-75	B-76
Sample Collection Date	0.5	5	10	17	17	2.5	17	2.5	17	10
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	88000	31	12	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	220000	220	330	40	< 10	< 10	12	< 10	< 10	< 10
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 20000	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	120000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthene	170000	26	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	2400	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Anthracene	90000	47	70	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	32000	45	68	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	1000	12	18	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	9100	13	19	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	2700	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	12000	17	25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	31000	43	65	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 1000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	130000	51	31	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	3400	< 5	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-72	B-72	B-72	B-72	B-73	B-74	B-74	B-75	B-75	B-76
Sample Collection Date	0.5	5	10	17	17	2.5	17	2.5	17	10
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/17/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	220000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenanthrene	400000	300	330	11	< 10	< 10	15	< 10	< 10	< 10
Pyrene	160000	160	250	32	< 10	< 10	< 10	< 10	< 10	< 10

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-76	B-77	B-77	B-77	B-78	B-78	B-79	B-79	B-79	B-80
Sample Collection Date	27	2.5	5	17	0.5	17	2.5	10	17	2.5
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/19/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-76	B-77	B-77	B-77	B-78	B-78	B-79	B-79	B-79	B-80
Sample Collection Date	27	2.5	5	17	0.5	17	2.5	10	17	2.5
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/19/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-76	B-77	B-77	B-77	B-78	B-78	B-79	B-79	B-79	B-80
Sample Collection Date	27	2.5	5	17	0.5	17	2.5	10	17	2.5
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/19/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-76	B-77	B-77	B-77	B-78	B-78	B-79	B-79	B-79	B-80
Sample Collection Date	27	2.5	5	17	0.5	17	2.5	10	17	2.5
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/19/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	< 25000	400	< 50	< 500	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 25000	< 50	< 50	< 500	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 25000	440	< 50	< 500	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 25000	93	< 50	< 500	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 25000	< 50	< 50	< 500	< 50	< 50	< 50
2,4-Dichlorophenol	< 50	< 50	< 50	< 25000	< 50	< 50	< 500	< 50	< 50	< 50
2,4-Dimethylphenol	< 50	< 50	< 50	< 25000	< 50	< 50	< 500	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 50	< 50	< 50	< 25000	< 50	< 50	< 500	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-76	B-77	B-77	B-77	B-78	B-78	B-79	B-79	B-79	B-80
Sample Collection Date	27	2.5	5	17	0.5	17	2.5	10	17	2.5
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/19/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	< 5	< 5	< 5	46000	4600	< 5	190	< 5	< 5	< 5
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	110	22	< 10	73000	37000	< 10	140	< 10	< 10	< 10
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 100	< 100	< 100	< 50000	< 3900	< 100	< 1000	< 100	< 100	< 100
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	< 5	< 5	130000	1100	< 5	3300	< 5	< 5	< 5
Acenaphthene	< 10	< 10	< 10	83000	13000	< 10	700	< 10	< 10	< 10
Acenaphthylene	< 10	< 10	< 10	< 5000	250	< 10	< 100	< 10	< 10	< 10
Anthracene	< 5	< 5	< 5	40000	15000	< 5	< 50	< 5	< 5	< 5
Benzo(a)anthracene	31	< 10	< 10	16000	7300	< 10	< 100	< 10	< 10	< 10
Benzo(a)pyrene	22	< 10	< 10	6300	3100	< 10	< 100	< 10	< 10	< 10
Benzo(b)fluoranthene	21	< 10	< 10	5900	3400	< 10	< 100	< 10	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	8	< 5	< 5	< 2500	1300	< 5	< 50	< 5	< 5	< 5
Benzo(k)fluoranthene	21	< 10	< 10	7700	3600	< 10	< 100	< 10	< 10	< 10
Chrysene	38	< 10	< 10	15000	8200	< 10	< 100	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 5	< 5	< 5	< 2500	270	< 5	< 50	< 5	< 5	< 5
Fluorene	< 10	< 10	< 10	58000	9400	< 10	1600	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	11	< 5	< 5	< 2500	1700	< 5	< 50	< 5	< 5	< 5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-76	B-77	B-77	B-77	B-78	B-78	B-79	B-79	B-79	B-80
Sample Collection Date	27	2.5	5	17	0.5	17	2.5	10	17	2.5
Sample Depth (feet bgs)	06/17/1998	06/17/1998	06/17/1998	06/17/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/18/1998	06/19/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 5	50	17	370000	200	< 5	< 50	< 5	< 5	< 5
Phenanthrene	< 10	10	< 10	150000	38000	< 10	2700	< 10	< 10	< 10
Pyrene	90	20	< 10	57000	32000	< 10	140	< 10	< 10	< 10

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-80	B-80	B-81	B-82	B-82	B-83	B-83	B-84	B-84	B-85
Sample Collection Date	15	25	2.5	10	20	5	17	10	35	5
Sample Depth (feet bgs)	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-80	B-80	B-81	B-82	B-82	B-83	B-83	B-84	B-84	B-85
Sample Collection Date	15	25	2.5	10	20	5	17	10	35	5
Sample Depth (feet bgs)	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-80	B-80	B-81	B-82	B-82	B-83	B-83	B-84	B-84	B-85
Sample Collection Date	15	25	2.5	10	20	5	17	10	35	5
Sample Depth (feet bgs)	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-80	B-80	B-81	B-82	B-82	B-83	B-83	B-84	B-84	B-85
Sample Collection Date	15	25	2.5	10	20	5	17	10	35	5
Sample Depth (feet bgs)	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	990	< 50	< 50	< 50	< 1000	< 50	< 50	350
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
2,4-Dichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
2,4-Dimethylphenol	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 50	< 50	< 350	< 50	< 50	< 50	< 1000	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-80	B-80	B-81	B-82	B-82	B-83	B-83	B-84	B-84	B-85
Sample Collection Date	15	25	2.5	10	20	5	17	10	35	5
Sample Depth (feet bgs)	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	< 5	< 5	< 5	15	< 5	< 5	24000	200	< 5	77
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	< 10	< 10	28	61	< 10	< 10	28000	360	< 10	270
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 100	< 100	17000	1100	< 100	< 100	< 2000	< 100	< 100	6500
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	< 5	40	17	< 5	< 5	100000	190	14	370
Acenaphthene	< 10	< 10	< 10	31	< 10	< 10	42000	380	< 10	97
Acenaphthylene	< 10	< 10	< 10	< 10	< 10	< 10	420	< 10	< 10	30
Anthracene	< 5	< 5	13	15	< 5	38	19000	800	< 5	200
Benzo(a)anthracene	< 10	< 10	< 10	10	< 10	< 10	5300	61	< 10	140
Benzo(a)pyrene	< 10	< 10	< 10	< 10	< 10	< 10	1600	16	< 10	110
Benzo(b)fluoranthene	< 10	< 10	< 10	< 10	< 10	< 10	1500	18	< 10	110
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 5	< 5	< 5	< 5	< 5	< 5	330	< 5	< 5	49
Benzo(k)fluoranthene	< 10	< 10	< 10	< 10	< 10	< 10	1700	24	< 10	160
Chrysene	< 10	< 10	< 10	13	< 10	< 10	4900	75	< 10	160
Dibenzo(a,h)anthracene	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	11
Fluorene	< 10	< 10	16	34	< 10	< 10	27000	380	< 10	77
Indeno(1,2,3-cd)pyrene	< 5	< 5	< 5	< 5	< 5	< 5	530	7	< 5	80

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-80	B-80	B-81	B-82	B-82	B-83	B-83	B-84	B-84	B-85
Sample Collection Date	15	25	2.5	10	20	5	17	10	35	5
Sample Depth (feet bgs)	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/19/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 5	< 5	250	40	< 5	30	530000	890	43	1700
Phenanthrene	< 10	< 10	50	69	< 10	14	68000	970	< 10	270
Pyrene	< 10	< 10	25	53	< 10	< 10	20000	250	< 10	260

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-85	B-86	B-86	B-87	B-87	B-88	B-88	B-89	B-89	B-90
Sample Collection Date	10	5	15	5	15	5	15	5	15	0.5
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-85	B-86	B-86	B-87	B-87	B-88	B-88	B-89	B-89	B-90
Sample Collection Date	10	5	15	5	15	5	15	5	15	0.5
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-85	B-86	B-86	B-87	B-87	B-88	B-88	B-89	B-89	B-90
Sample Collection Date	10	5	15	5	15	5	15	5	15	0.5
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-85	B-86	B-86	B-87	B-87	B-88	B-88	B-89	B-89	B-90
Sample Collection Date	10	5	15	5	15	5	15	5	15	0.5
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 5000	< 50	15000	< 50	180	< 50	< 50	< 50	< 50	< 1000
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 5000	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
2,3,6-Trichlorophenol	< 5000	< 50	1100	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
2,4,5-Trichlorophenol	< 5000	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
2,4,6-Trichlorophenol	< 5000	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
2,4-Dichlorophenol	< 5000	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
2,4-Dimethylphenol	< 5000	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 5000	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 1000
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-85	B-86	B-86	B-87	B-87	B-88	B-88	B-89	B-89	B-90
Sample Collection Date	10	5	15	5	15	5	15	5	15	0.5
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	100000	20	53000	6	950	< 5	13	< 5	< 5	1000
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	130000	34	85000	< 10	2100	< 10	80	< 10	< 10	17000
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	16000	< 100	230000	< 100	3900	< 100	170	< 100	< 100	7000
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	550000	59	190000	34	1500	24	24	< 5	< 5	380
Acenaphthene	180000	29	89000	< 10	1500	< 10	21	< 10	< 10	2500
Acenaphthylene	5100	< 10	1500	< 10	15	< 10	< 10	< 10	< 10	< 200
Anthracene	92000	14	34000	< 5	740	< 5	22	< 5	< 5	2800
Benzo(a)anthracene	30000	< 10	14000	< 10	290	< 10	17	< 10	< 10	3800
Benzo(a)pyrene	120000	< 10	4800	< 10	89	< 10	< 10	< 10	< 10	1900
Benzo(b)fluoranthene	9800	< 10	4200	< 10	81	< 10	< 10	< 10	< 10	2600
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	2700	< 5	1000	< 5	21	< 5	< 5	< 5	< 5	680
Benzo(k)fluoranthene	13000	< 10	5400	< 10	95	< 10	< 10	< 10	< 10	2800
Chrysene	28000	< 10	13000	< 10	260	< 10	23	< 10	< 10	4900
Dibenzo(a,h)anthracene	610	< 5	250	< 5	< 5	< 5	< 5	< 5	< 5	140
Fluorene	130000	24	67000	< 10	1300	< 10	23	< 10	< 10	2300
Indeno(1,2,3-cd)pyrene	4300	< 5	1600	< 5	28	< 5	< 5	< 5	6	1100

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-85	B-86	B-86	B-87	B-87	B-88	B-88	B-89	B-89	B-90
Sample Collection Date	10	5	15	5	15	5	15	5	15	0.5
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	5800000	300	520000	240	1900	210	150	22	< 5	< 100
Phenanthrene	320000	69	200000	< 10	4800	< 10	120	< 10	< 10	8600
Pyrene	100000	26	64000	< 10	1600	< 10	61	< 10	< 10	14000

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-90	B-91	B-91	B-92	B-92	B-93	B-93	B-94	B-94	B-95
Sample Collection Date	17.5	0.5	15	10	30	25	40	10	35	25
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-90	B-91	B-91	B-92	B-92	B-93	B-93	B-94	B-94	B-95
Sample Collection Date	17.5	0.5	15	10	30	25	40	10	35	25
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-90	B-91	B-91	B-92	B-92	B-93	B-93	B-94	B-94	B-95
Sample Collection Date	17.5	0.5	15	10	30	25	40	10	35	25
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-90	B-91	B-91	B-92	B-92	B-93	B-93	B-94	B-94	B-95
Sample Collection Date	17.5	0.5	15	10	30	25	40	10	35	25
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	16000	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	460	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dimethylphenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-90	B-91	B-91	B-92	B-92	B-93	B-93	B-94	B-94	B-95
Sample Collection Date	17.5	0.5	15	10	30	25	40	10	35	25
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	19	110	< 5	< 5	< 5	200	110	1800	< 5	19
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	100	1400	< 10	10	< 10	280	380	2100	13	37
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 100	510000	< 100	< 100	< 100	< 100	620	430	< 100	< 100
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	< 5	960	< 5	< 5	< 5	350	220	9400	< 5	60
Acenaphthene	22	85	< 10	150	< 10	470	220	4900	< 10	37
Acenaphthylene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	28	< 10	< 10
Anthracene	15	300	< 5	< 5	< 5	83	94	950	< 5	18
Benzo(a)anthracene	23	280	< 10	< 10	< 10	68	90	350	< 10	10
Benzo(a)pyrene	< 10	120	< 10	< 10	< 10	19	25	130	< 10	< 10
Benzo(b)fluoranthene	< 10	220	< 10	< 10	< 10	22	28	120	< 10	< 10
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 5	51	< 5	< 5	< 5	6	7	40	< 5	< 5
Benzo(k)fluoranthene	11	240	< 10	< 10	< 10	31	37	160	< 10	< 10
Chrysene	21	450	< 10	< 10	< 10	39	60	370	< 10	< 10
Dibenzo(a,h)anthracene	< 5	31	< 5	< 5	< 5	< 5	< 5	9	< 5	< 5
Fluorene	27	210	< 10	< 10	< 10	380	200	2400	< 10	28
Indeno(1,2,3-cd)pyrene	< 5	59	< 5	< 5	< 5	8	10	58	< 5	< 5

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-90	B-91	B-91	B-92	B-92	B-93	B-93	B-94	B-94	B-95
Sample Collection Date	17.5	0.5	15	10	30	25	40	10	35	25
Sample Depth (feet bgs)	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/23/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998	06/24/1998
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 5	700	< 5	16	< 5	94	220	35000	15	54
Phenanthrene	130	2100	< 10	10	< 10	700	770	5400	25	48
Pyrene	82	1000	< 10	< 10	< 10	200	270	1400	< 10	29

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-95	B-96	B-96	B-97	B-97	B-98	B-99	B-99	B-99	DS-E
Sample Collection Date	32.5	10	30	2.5	10	17	15	45	64	0
Sample Depth (feet bgs)	06/24/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	06/18/1997
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	10
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	24
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	34
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	131
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-95	B-96	B-96	B-97	B-97	B-98	B-99	B-99	B-99	DS-E
Sample Collection Date	32.5	10	30	2.5	10	17	15	45	64	0
Sample Depth (feet bgs)	06/24/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	06/18/1997
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	< 10	---	---	< 10	---	< 10	---	---	< 10
Gasoline	---	< 10	---	---	< 10	---	< 10	---	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	< 25	---	---	< 25	---	< 25	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	< 10	---	---	< 10	---	< 10	---	---	< 10
Kerosene	---	< 10	---	---	< 10	---	< 10	---	---	< 10
Lube-Oil-Range Hydrocarbons	---	< 25	---	---	< 25	---	< 25	---	---	---
Mineral spirits	---	< 10	---	---	< 10	---	< 10	---	---	< 10
Naphtha Distillate	---	< 10	---	---	< 10	---	< 10	---	---	---
Non-PHC as Diesel	---	51	---	---	< 50	---	< 50	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	1700
PHC as Diesel	---	< 25	---	---	2088	---	< 25	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	< 0.3
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	< 300
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	< 300
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-95	B-96	B-96	B-97	B-97	B-98	B-99	B-99	B-99	DS-E
Sample Collection Date	32.5	10	30	2.5	10	17	15	45	64	0
Sample Depth (feet bgs)	06/24/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	06/18/1997
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	< 300
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	< 300
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	< 300
2-Hexanone	---	---	---	---	---	---	---	---	---	< 300
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	< 300
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	< 300
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	< 300
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	< 300
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-95	B-96	B-96	B-97	B-97	B-98	B-99	B-99	B-99	DS-E
Sample Collection Date	32.5	10	30	2.5	10	17	15	45	64	0
Sample Depth (feet bgs)	06/24/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	06/18/1997
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	---
2,3,6-Trichlorophenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	---
2,4,5-Trichlorophenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	---
2,4,6-Trichlorophenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	< 300
2,4-Dichlorophenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	---
2,4-Dimethylphenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	< 300
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	< 300
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	< 300
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	< 2000
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	< 300
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	< 300
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	< 300
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	< 300
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	< 2000
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	< 300
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	< 2000
4,6-Dinitro-2-methylphenol	< 50	---	< 50	< 50	---	< 50	---	< 50	< 50	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	< 2000
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	< 2000
4-Chloroaniline	---	---	---	---	---	---	---	---	---	< 300
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	< 300
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	< 2000
Benzoic acid	---	---	---	---	---	---	---	---	---	< 2000
Benzyl alcohol	---	---	---	---	---	---	---	---	---	< 1000

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-95	B-96	B-96	B-97	B-97	B-98	B-99	B-99	B-99	DS-E
Sample Collection Date	32.5	10	30	2.5	10	17	15	45	64	0
Sample Depth (feet bgs)	06/24/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	06/18/1997
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	< 2000
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	< 300
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	< 300
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	< 300
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	< 300
Carbazole	---	---	---	---	---	---	---	---	---	< 300
Dibenzofuran	---	---	---	---	---	---	---	---	---	< 300
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	< 5	---	< 5	< 5	---	< 5	---	< 5	< 5	< 300
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	< 300
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	< 300
Fluoranthene	---	---	---	---	---	---	---	---	---	< 300
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	< 300
Hexachlorobutadiene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	< 300
Hexachloroethane	---	---	---	---	---	---	---	---	---	< 300
Isophorone	---	---	---	---	---	---	---	---	---	< 300
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	< 300
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	< 2000
Pentachlorophenol	310	---	< 100	< 100	---	< 100	---	< 100	410	19000
Phenol	---	---	---	---	---	---	---	---	---	< 300
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	10	---	< 5	7	---	< 5	---	< 5	< 5	< 300
Acenaphthene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Acenaphthylene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Anthracene	< 5	---	< 5	< 5	---	< 5	---	< 5	< 5	< 300
Benzo(a)anthracene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Benzo(a)pyrene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Benzo(b)fluoranthene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 5	---	< 5	< 5	---	< 5	---	< 5	< 5	< 300
Benzo(k)fluoranthene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Chrysene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Dibenzo(a,h)anthracene	< 5	---	< 5	< 5	---	< 5	---	< 5	< 5	< 300
Fluorene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Indeno(1,2,3-cd)pyrene	5	---	< 5	< 5	---	< 5	---	< 5	< 5	< 300

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-95	B-96	B-96	B-97	B-97	B-98	B-99	B-99	B-99	DS-E
Sample Collection Date	32.5	10	30	2.5	10	17	15	45	64	0
Sample Depth (feet bgs)	06/24/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	07/08/1998	06/18/1997
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	11	---	12	14	---	< 5	---	50	6	< 300
Phenanthrene	18	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300
Pyrene	< 10	---	< 10	< 10	---	< 10	---	< 10	< 10	< 300

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	DS-W	GP11	GP11	GP11	GP11	GP8	GP8	GP8	GP8	MFP-01
Sample Collection Date	0	1.5	5	10	15	1.4	5	11	15	0
Sample Depth (feet bgs)	06/18/1997	05/21/2009	05/21/2009	05/21/2009	05/21/2009	05/22/2009	05/22/2009	05/22/2009	05/22/2009	11/25/1997
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	40	6.88	2.3	3.68	3.38	2.57	1.36	13.1	3.31	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	54	13	23.8	21.4	25	11.3	13.5	38.1	25.6	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	38	4.42	17.7	17	17.1	8	9.38	30.8	17.3	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	150	45.4	131	58.2	80.8	117	49.5	132	95.2	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	11000	530	3.4	< 0.21	12000	16	270	< 0.16	---
1,2,3,4,6,7,8-HpCDF	---	1300	64	0.34	< 0.088	1700	1.5	21	0.18	---
1,2,3,4,7,8,9-HpCDF	---	94	< 1	< 0.24	< 0.11	93	< 0.32	1.1	< 0.071	---
1,2,3,4,7,8-HxCDD	---	35	< 1.5	< 0.25	< 0.093	52	< 0.45	< 0.34	< 0.13	---
1,2,3,4,7,8-HxCDF	---	210	< 0.83	< 0.24	< 0.081	360	0.45	4.5	< 0.055	---
1,2,3,6,7,8-HxCDD	---	460	22	< 0.27	< 0.1	500	0.85	12	< 0.11	---
1,2,3,6,7,8-HxCDF	---	120	< 1.1	< 0.24	< 0.089	140	< 0.38	1.4	< 0.059	---
1,2,3,7,8,9-HxCDD	---	96	5.5	< 0.26	< 0.075	110	< 0.37	5.2	< 0.14	---
1,2,3,7,8,9-HxCDF	---	130	5.4	< 0.3	< 0.1	110	< 0.38	1.3	< 0.07	---
1,2,3,7,8-PeCDD	---	11	< 1.2	< 0.16	< 0.1	14	< 0.35	1.2	< 0.075	---
1,2,3,7,8-PeCDF	---	71	3.9	< 0.17	< 0.088	78	< 0.35	0.9	< 0.089	---
2,3,4,6,7,8-HxCDF	---	150	7.5	< 0.19	< 0.071	160	< 0.31	2	< 0.057	---
2,3,4,7,8-PeCDF	---	230	11	< 0.15	< 0.064	240	< 0.35	2.4	< 0.044	---
2,3,7,8-TCDD	---	< 0.96	< 1.3	< 0.18	< 0.16	< 6.9	< 0.49	< 0.21	< 0.11	---
2,3,7,8-TCDF	---	21	1.8	< 0.14	0.22	29	< 0.29	0.59	0.22	---
OCDD	---	120000	5100	38	2.5	160000	170	2800	7.1	---
OCDF	---	1300	70	0.63	< 0.16	1900	< 0.7	34	0.32	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	DS-W	GP11	GP11	GP11	GP11	GP8	GP8	GP8	GP8	MFP-01
Sample Collection Date	0	1.5	5	10	15	1.4	5	11	15	0
Sample Depth (feet bgs)	06/18/1997	05/21/2009	05/21/2009	05/21/2009	05/21/2009	05/22/2009	05/22/2009	05/22/2009	05/22/2009	11/25/1997
Total HpCDDs	---	19000	930	7	< 0.21	22000	32	480	< 0.16	---
Total HpCDFs	---	4000	190	0.34	< 0.1	1800	4.2	61	0.34	---
Total HxCDDs	---	1500	76	< 0.26	< 0.09	1900	3.2	56	0.76	---
Total HxCDFs	---	4100	210	< 0.24	< 0.085	3100	4.1	61	< 0.06	---
Total PeCDDs	---	33	< 1.2	< 0.16	< 0.1	210	< 0.35	7	< 0.075	---
Total PeCDFs	---	1600	65	< 0.16	< 0.076	2300	1.7	19	< 0.067	---
Total TCDDs	---	5.2	< 1.3	< 0.18	< 0.16	23	< 0.49	0.74	< 0.11	---
Total TCDFs	---	78	2.8	0.22	0.4	210	< 0.29	1.9	0.22	---
Dioxin TEQ (Mammals—WHO 2005)	---	370	17	0.34	0.2	420	0.94	8.5	0.16	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	< 10	128	< 19	< 20.5	< 19.8	118	< 17.6	< 189	< 21.3	---
Gasoline	< 10	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	< 10	---	---	---	---	---	---	---	---	---
Kerosene	< 10	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	276	< 63.3	< 68.2	< 65.9	389	< 58.8	11100	< 71.1	---
Mineral spirits	< 10	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	1600	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	< 0.3	< 0.0382	< 0.0422	< 0.0455	< 0.0439	< 0.175	< 0.0392	< 0.21	< 0.043	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	DS-W	GP11	GP11	GP11	GP11	GP8	GP8	GP8	GP8	MFP-01
Sample Collection Date	0	1.5	5	10	15	1.4	5	11	15	0
Sample Depth (feet bgs)	06/18/1997	05/21/2009	05/21/2009	05/21/2009	05/21/2009	05/22/2009	05/22/2009	05/22/2009	05/22/2009	11/25/1997
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2-Hexanone	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Chlorotoluene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Isopropyltoluene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	DS-W	GP11	GP11	GP11	GP11	GP8	GP8	GP8	GP8	MFP-01
Sample Collection Date	0	1.5	5	10	15	1.4	5	11	15	0
Sample Depth (feet bgs)	06/18/1997	05/21/2009	05/21/2009	05/21/2009	05/21/2009	05/22/2009	05/22/2009	05/22/2009	05/22/2009	11/25/1997
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,3,5-Trichlorophenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,3,6-Trichlorophenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,4,5-Trichlorophenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,4,6-Trichlorophenol	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	< 50
2,4-Dichlorophenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,4-Dimethylphenol	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,4-Dinitrophenol	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,4-Dinitrotoluene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2,6-Dichlorophenol	< 2000	< 382	< 422	< 455	< 439	< 1750	< 392	< 2100	< 430	---
2,6-Dinitrotoluene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
2-Chloronaphthalene	< 300	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	< 300	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	< 2000	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
3,3-Dichlorobenzidine	< 300	< 191	< 211	< 227	< 220	< 877	< 196	< 1050	< 215	---
3,4,5-Trichlorophenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
3-Nitroaniline	< 2000	< 191	< 211	< 227	< 220	< 877	< 196	< 1050	< 215	---
4,6-Dinitro-2-methylphenol	---	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Bromophenylphenyl ether	< 2000	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Chloro-3-methylphenol	< 2000	< 191	< 211	< 227	< 220	< 877	< 196	< 1050	< 215	---
4-Chloroaniline	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Chlorophenylphenyl ether	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	< 2000	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Benzoic acid	< 2000	< 191	< 211	< 227	< 220	< 877	< 196	< 1050	< 215	---
Benzyl alcohol	< 1000	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	DS-W	GP11	GP11	GP11	GP11	GP8	GP8	GP8	GP8	MFP-01
Sample Collection Date	0	1.5	5	10	15	1.4	5	11	15	0
Sample Depth (feet bgs)	06/18/1997	05/21/2009	05/21/2009	05/21/2009	05/21/2009	05/22/2009	05/22/2009	05/22/2009	05/22/2009	11/25/1997
Bis(2-chloro-1-methylethyl) ether	< 2000	< 764	< 844	< 910	< 878	< 3510	< 784	< 4200	< 860	---
Bis(2-chloroethoxy)methane	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Bis(2-ethylhexyl)phthalate	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Butylbenzylphthalate	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Carbazole	< 300	< 38.2	56.1	< 45.5	< 43.9	< 175	< 39.2	271	< 43	---
Dibenzofuran	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Diethylphthalate	---	< 38	< 42	< 46	< 44	< 175	49.4	< 210	< 43	---
Dimethyl phthalate	< 300	< 38	< 42	< 46	< 44	< 175	82.7	< 210	71.4	---
Di-n-butyl phthalate	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Di-n-octyl phthalate	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Fluoranthene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	43	---
Hexachlorobenzene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Hexachlorobutadiene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Hexachlorocyclopentadiene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Hexachloroethane	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Isophorone	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
N-Nitrosodipropylamine	< 2000	---	---	---	---	---	---	---	---	---
Pentachlorophenol	5200	368	< 63.3	< 68.2	< 65.9	726	< 58.8	< 315	< 64.5	2200
Phenol	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	55
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	< 38	< 42	< 46	< 44	< 175	257	< 210	232	---
2-Methylnaphthalene	< 300	< 38	< 42	< 46	< 44	< 175	129	< 210	117	---
Acenaphthene	< 300	< 38	< 42	< 46	< 44	< 175	145	< 210	95	---
Acenaphthylene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Anthracene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Benzo(a)anthracene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Benzo(a)pyrene	< 300	< 38	< 42	< 46	< 44	< 175	< 39	< 210	< 43	---
Benzo(b)fluoranthene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Benzo(k)fluoranthene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Chrysene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Dibenzo(a,h)anthracene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Fluorene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	63.9	< 210	55.1	---
Indeno(1,2,3-cd)pyrene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	DS-W	GP11	GP11	GP11	GP11	GP8	GP8	GP8	GP8	MFP-01
Sample Collection Date	0	1.5	5	10	15	1.4	5	11	15	0
Sample Depth (feet bgs)	06/18/1997	05/21/2009	05/21/2009	05/21/2009	05/21/2009	05/22/2009	05/22/2009	05/22/2009	05/22/2009	11/25/1997
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Phenanthrene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---
Pyrene	< 300	< 38.2	< 42.2	< 45.5	< 43.9	< 175	< 39.2	< 210	< 43	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MFP-01	MFP-01	MFP-01	MFP-02	MFP-04	MFP-04	MFP-05	MFP-05	MFP-05	MFP-05
Sample Collection Date	3	6	9	6	0	3	0	3	6	9
Sample Depth (feet bgs)	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MFP-01	MFP-01	MFP-01	MFP-02	MFP-04	MFP-04	MFP-05	MFP-05	MFP-05	MFP-05
Sample Collection Date	3	6	9	6	0	3	0	3	6	9
Sample Depth (feet bgs)	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MFP-01	MFP-01	MFP-01	MFP-02	MFP-04	MFP-04	MFP-05	MFP-05	MFP-05	MFP-05
Sample Collection Date	3	6	9	6	0	3	0	3	6	9
Sample Depth (feet bgs)	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MFP-01	MFP-01	MFP-01	MFP-02	MFP-04	MFP-04	MFP-05	MFP-05	MFP-05	MFP-05
Sample Collection Date	3	6	9	6	0	3	0	3	6	9
Sample Depth (feet bgs)	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 50000	< 500	< 500	< 5	< 5	< 5	< 5	< 5	< 50	< 5
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MFP-01	MFP-01	MFP-01	MFP-02	MFP-04	MFP-04	MFP-05	MFP-05	MFP-05	MFP-05
Sample Collection Date	3	6	9	6	0	3	0	3	6	9
Sample Depth (feet bgs)	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	2500000	230000	180000	38	200	23	44	33	3100	410
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	25000	17000	14000	20	16	< 5	< 5	< 5	340	95
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MFP-01	MFP-01	MFP-01	MFP-02	MFP-04	MFP-04	MFP-05	MFP-05	MFP-05	MFP-05
Sample Collection Date	3	6	9	6	0	3	0	3	6	9
Sample Depth (feet bgs)	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997	11/25/1997
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-10	MW-13	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-17	MW-17
Sample Collection Date	0	5	15	20	5	20	10	20	5	12.5
Sample Depth (feet bgs)	02/05/1991	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	100000000	1.8	5.6	2.5	4.2	4	2.2	5.1	4.9	5.4
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	6.4	10.2	9.2	14.6	27.6	11.1	22.3	17.4	19.5
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	3.7	< 20	16.4	19.1	17	7.3	22.7	11.7	21.7
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-10	MW-13	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-17	MW-17
Sample Collection Date	0	5	15	20	5	20	10	20	5	12.5
Sample Depth (feet bgs)	02/05/1991	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-10	MW-13	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-17	MW-17
Sample Collection Date	0	5	15	20	5	20	10	20	5	12.5
Sample Depth (feet bgs)	02/05/1991	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-10	MW-13	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-17	MW-17
Sample Collection Date	0	5	15	20	5	20	10	20	5	12.5
Sample Depth (feet bgs)	02/05/1991	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	< 30	< 30	---	230	---	---	---	33	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	< 30	< 30	---	< 30	---	---	---	< 30	---
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	< 30	< 30	---	< 30	---	---	---	< 30	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	< 2500	---	---	---	---	---	---	---	---	---
3-Methylphenol	< 2500	---	---	---	---	---	---	---	---	---
4-Methylphenol	< 2500	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-10	MW-13	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-17	MW-17
Sample Collection Date	0	5	15	20	5	20	10	20	5	12.5
Sample Depth (feet bgs)	02/05/1991	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 2500	46	570	---	9300	---	---	---	500	---
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-10	MW-13	MW-13	MW-13	MW-14	MW-14	MW-15	MW-15	MW-17	MW-17
Sample Collection Date	0	5	15	20	5	20	10	20	5	12.5
Sample Depth (feet bgs)	02/05/1991	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-22	MW-22	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-26
Sample Collection Date	10	15	0.5	11	16	21	3	21	36	16
Sample Depth (feet bgs)	05/03/1993	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996
Metals (mg/kg)										
Aluminum	---	---	---	11500	---	---	---	---	5190	---
Antimony	---	---	---	< 6.7	---	---	---	---	< 12.9	---
Arsenic	3.6	3	---	11.9	---	---	---	---	2.1	---
Barium	---	---	---	135	---	---	---	---	69.5	---
Beryllium	---	---	---	1.2	---	---	---	---	0.62	---
Cadmium	---	---	---	< 0.87	---	---	---	---	< 0.69	---
Calcium	---	---	---	2290	---	---	---	---	3460	---
Chromium	25.3	24.3	---	14	---	---	---	---	11.6	---
Cobalt	---	---	---	20	---	---	---	---	10.8	---
Copper	16.3	12.3	---	16.1	---	---	---	---	18	---
Iron	---	---	---	22400	---	---	---	---	14500	---
Lead	---	---	---	9.5	---	---	---	---	2.5	---
Magnesium	---	---	---	3310	---	---	---	---	3030	---
Manganese	---	---	---	408	---	---	---	---	290	---
Mercury	---	---	---	---	---	---	---	---	< 0.12	---
Nickel	---	---	---	15.6	---	---	---	---	10.1	---
Potassium	---	---	---	809	---	---	---	---	< 660	---
Selenium	---	---	---	0.79	---	---	---	---	< 0.49	---
Silver	---	---	---	< 1.6	---	---	---	---	< 2	---
Sodium	---	---	---	< 88	---	---	---	---	240	---
Thallium	---	---	---	< 0.5	---	---	---	---	< 2.5	---
Vanadium	---	---	---	60.2	---	---	---	---	38.5	---
Zinc	---	---	---	60.2	---	---	---	---	32	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-22	MW-22	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-26
Sample Collection Date	10	15	0.5	11	16	21	3	21	36	16
Sample Depth (feet bgs)	05/03/1993	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	4000	---	---	---	< 23	---	110
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-22	MW-22	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-26
Sample Collection Date	10	15	0.5	11	16	21	3	21	36	16
Sample Depth (feet bgs)	05/03/1993	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	< 5000	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	< 5000	---	---	---	4600	42000	---	< 5.8	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	2700	---	---	---	11000	80000	---	< 5.8	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-22	MW-22	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-26
Sample Collection Date	10	15	0.5	11	16	21	3	21	36	16
Sample Depth (feet bgs)	05/03/1993	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996
Toluene	---	---	---	---	< 750	4300	---	< 5.8	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	< 30	< 1700	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	< 30	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	< 30	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-22	MW-22	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-26
Sample Collection Date	10	15	0.5	11	16	21	3	21	36	16
Sample Depth (feet bgs)	05/03/1993	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	1200	---	< 8700	< 370	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	13000	---	30000	50	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	100	14000	---	38000	440	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	---	62	< 1700	< 20000	---	7800	1100	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	33000	---	64000	< 370	---	---	---
Acenaphthene	---	---	---	22000	---	51000	120	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	9000	---	22000	100	---	---	---
Benzo(a)anthracene	---	---	---	2700	---	8200	140	---	---	---
Benzo(a)pyrene	---	---	260	830	---	3100	120	---	---	---
Benzo(b)fluoranthene	---	---	520	870	---	2800	150	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	160	240	---	1000	70	---	---	---
Benzo(k)fluoranthene	---	---	310	740	---	3000	93	---	---	---
Chrysene	---	---	120	2700	---	8100	210	---	---	---
Dibenzo(a,h)anthracene	---	---	63	170	---	620	43	---	---	---
Fluorene	---	---	---	15000	---	36000	70	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	200	270	---	1000	73	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-22	MW-22	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-26
Sample Collection Date	10	15	0.5	11	16	21	3	21	36	16
Sample Depth (feet bgs)	05/03/1993	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	130	< 4100	---	< 8700	< 370	---	---	---
Phenanthrene	---	---	< 350	23000	---	54000	170	---	---	---
Pyrene	---	---	320	9500	---	16000	380	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-26	MW-27	MW-27	MW-31	MW-31	MW-31	MW-31	MW-55	MW-55	MW-58D
Sample Collection Date	21	6	8.5	16	21	26	31	10	20	10
Sample Depth (feet bgs)	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	06/10/2008	06/10/2008	06/18/2008
Metals (mg/kg)										
Aluminum	---	13200	---	14400	---	---	---	---	---	---
Antimony	---	< 12.8	---	< 13.3	---	---	---	---	---	---
Arsenic	---	6.8	---	14.3	---	---	---	2.74	< 2.6	15
Barium	---	137	---	100	---	---	---	---	---	---
Beryllium	---	1.2	---	1.3	---	---	---	---	---	---
Cadmium	---	< 0.68	---	< 0.71	---	---	---	---	---	---
Calcium	---	4190	---	2360	---	---	---	---	---	---
Chromium	---	16.5	---	15.2	---	---	---	18.3	32.4	27
Cobalt	---	17.3	---	19.4	---	---	---	---	---	---
Copper	---	18.8	---	12.1	---	---	---	16	24	18.8
Iron	---	23900	---	26300	---	---	---	---	---	---
Lead	---	6.5	---	9.3	---	---	---	---	---	---
Magnesium	---	4780	---	4090	---	---	---	---	---	---
Manganese	---	389	---	545	---	---	---	---	---	---
Mercury	---	< 0.12	---	< 0.13	---	---	---	---	---	---
Nickel	---	18.6	---	12.2	---	---	---	---	---	---
Potassium	---	< 688	---	1150	---	---	---	---	---	---
Selenium	---	< 0.49	---	< 0.51	---	---	---	---	---	---
Silver	---	< 2	---	< 2.1	---	---	---	---	---	---
Sodium	---	193	---	83.3	---	---	---	---	---	---
Thallium	---	< 0.24	---	< 0.25	---	---	---	---	---	---
Vanadium	---	55.1	---	72.9	---	---	---	---	---	---
Zinc	---	47.1	---	54.9	---	---	---	103	72.7	117
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-26	MW-27	MW-27	MW-31	MW-31	MW-31	MW-31	MW-55	MW-55	MW-58D
Sample Collection Date	21	6	8.5	16	21	26	31	10	20	10
Sample Depth (feet bgs)	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	06/10/2008	06/10/2008	06/18/2008
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	26.3	37	33.3
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	< 68.6	< 70.3	103
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	26	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,1,1-Trichloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,1,2-Trichloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,1-Dichloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,1-Dichloroethene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,1-Dichloropropene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	< 0.0137	< 0.0141	< 0.0109
1,2,3-Trichloropropane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	< 0.0137	< 0.0141	< 0.0109
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,2-Dibromoethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,2-Dichlorobenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,2-Dichloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-26	MW-27	MW-27	MW-31	MW-31	MW-31	MW-31	MW-55	MW-55	MW-58D
Sample Collection Date	21	6	8.5	16	21	26	31	10	20	10
Sample Depth (feet bgs)	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	06/10/2008	06/10/2008	06/18/2008
1,2-Dichloropropane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,3-Dichlorobenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,3-Dichloropropane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
1,4-Dichlorobenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
2,2-Dichloropropane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Acetone	---	---	---	---	---	---	---	127	< 70.3	< 54.4
Benzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Bromobenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Bromodichloromethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Bromoform	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Bromomethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Carbon disulfide	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Carbon tetrachloride	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Chlorobenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Chlorobromomethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Chloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Chloroform	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Chloromethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Dibromochloromethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Dibromomethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Dichlorodifluoromethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Ethylbenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	< 27.4	< 28.1	< 21.8
Methyl tert-butyl ether	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Methylene chloride	---	---	---	---	---	---	---	< 68.6	< 70.3	< 54.4
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
o-Xylene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
sec-Butylbenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Styrene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
tert-Butylbenzene	---	---	---	---	---	---	---	< 0.0137	< 0.0141	< 0.0109
Tetrachloroethene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-26	MW-27	MW-27	MW-31	MW-31	MW-31	MW-31	MW-55	MW-55	MW-58D
Sample Collection Date	21	6	8.5	16	21	26	31	10	20	10
Sample Depth (feet bgs)	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	06/10/2008	06/10/2008	06/18/2008
Toluene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Trichloroethene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Trichlorofluoromethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Vinyl chloride	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 2200	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,4-Dichlorophenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,4-Dimethylphenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	35.4	< 28.1	< 21.8
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
2-Nitrophenol	---	---	---	---	---	---	---	< 27.4	< 28.1	< 21.8
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
4-Nitrophenol	---	---	---	---	---	---	---	< 27.4	< 28.1	< 21.8
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-26	MW-27	MW-27	MW-31	MW-31	MW-31	MW-31	MW-55	MW-55	MW-58D
Sample Collection Date	21	6	8.5	16	21	26	31	10	20	10
Sample Depth (feet bgs)	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	06/10/2008	06/10/2008	06/18/2008
Bis(2-chloro-1-methylethyl) ether	< 2200	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 460	---	---	---	310	190	400	< 45.7	< 46.9	< 36.3
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	< 45.7	82.5	< 36.3
Dimethyl phthalate	9100	---	---	---	73	< 430	< 420	< 45.7	76.9	< 36.3
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	10000	---	---	---	280	< 430	< 420	< 45.7	< 46.9	< 36.3
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
N-Nitrosodimethylamine	---	---	---	---	---	---	---	< 13.7	< 14.1	< 10.9
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	1200	---	---	---	73	< 2100	< 2000	< 68.6	< 70.3	720
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	< 45.7	258	< 36.3
2-Methylnaphthalene	15000	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
Acenaphthene	17000	---	---	---	150	< 430	< 420	< 45.7	163	< 36.3
Acenaphthylene	---	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
Anthracene	4900	---	---	---	98	< 430	< 420	< 45.7	< 46.9	< 36.3
Benzo(a)anthracene	1900	---	---	---	52	< 160	< 150	< 45.7	< 46.9	< 36.3
Benzo(a)pyrene	650	---	---	---	< 150	< 160	< 150	< 45.7	< 46.9	< 36.3
Benzo(b)fluoranthene	690	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	140	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
Benzo(k)fluoranthene	720	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
Chrysene	2400	---	---	---	63	< 430	< 420	< 45.7	< 46.9	< 36.3
Dibenzo(a,h)anthracene	110	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3
Fluorene	9700	---	---	---	100	< 430	< 420	< 45.7	51.6	< 36.3
Indeno(1,2,3-cd)pyrene	160	---	---	---	---	---	---	< 45.7	< 46.9	< 36.3

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-26	MW-27	MW-27	MW-31	MW-31	MW-31	MW-31	MW-55	MW-55	MW-58D
Sample Collection Date	21	6	8.5	16	21	26	31	10	20	10
Sample Depth (feet bgs)	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	06/10/2008	06/10/2008	06/18/2008
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	32000	---	---	---	50	< 430	< 420	< 45.7	752	< 36.3
Phenanthrene	20000	---	---	---	520	< 430	< 420	< 45.7	< 46.9	< 36.3
Pyrene	11000	---	---	---	200	< 430	< 420	< 45.7	< 46.9	< 36.3

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-58D	SS-13	SS-15	SS-16	SS-17	SS-18	SS-19	SS-2	TP-02	TP-02
Sample Collection Date	13.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5	< 0	< 5
Sample Depth (feet bgs)	06/18/2008	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	04/02/1996	05/03/1993	05/03/1993
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	10300	---	---
Antimony	---	---	---	---	---	---	---	< 13.3	---	---
Arsenic	4.47	2.59	8.32	22.9	1.63	2.44	39.5	5.3	< 6	< 8
Barium	---	---	---	---	---	---	---	165	---	---
Beryllium	---	---	---	---	---	---	---	0.97	---	---
Cadmium	---	---	---	---	---	---	---	0.8	---	---
Calcium	---	---	---	---	---	---	---	4800	---	---
Chromium	23.5	16.1	18.1	46.7	11.4	21.2	57.4	14.9	< 10	< 18
Cobalt	---	---	---	---	---	---	---	16.2	---	---
Copper	32.5	5.41	13.4	30.7	10.1	10.2	51.7	20.2	< 35	< 11
Iron	---	---	---	---	---	---	---	21800	---	---
Lead	---	---	---	---	---	---	---	5.6	---	---
Magnesium	---	---	---	---	---	---	---	5350	---	---
Manganese	---	---	---	---	---	---	---	286	---	---
Mercury	---	---	---	---	---	---	---	< 0.13	---	---
Nickel	---	---	---	---	---	---	---	18.7	---	---
Potassium	---	---	---	---	---	---	---	1300	---	---
Selenium	---	---	---	---	---	---	---	< 0.51	---	---
Silver	---	---	---	---	---	---	---	< 2.1	---	---
Sodium	---	---	---	---	---	---	---	821	---	---
Thallium	---	---	---	---	---	---	---	< 0.25	---	---
Vanadium	---	---	---	---	---	---	---	44.8	---	---
Zinc	162	43.7	64.9	107	38.1	39	119	70.4	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	2600	8200	9200	590	48	28000	---	---	---
1,2,3,4,6,7,8-HpCDF	---	120	960	810	< 89	< 8.3	1400	---	---	---
1,2,3,4,7,8,9-HpCDF	---	14	74	76	< 8.3	< 2	280	---	---	---
1,2,3,4,7,8-HxCDD	---	13	45	94	3.5	< 0.94	220	---	---	---
1,2,3,4,7,8-HxCDF	---	13	240	58	9.1	< 2.6	250	---	---	---
1,2,3,6,7,8-HxCDD	---	130	400	560	28	2.5	1600	---	---	---
1,2,3,6,7,8-HxCDF	---	9.8	98	61	5.7	< 1	200	---	---	---
1,2,3,7,8,9-HxCDD	---	32	110	220	9.8	< 1.1	470	---	---	---
1,2,3,7,8,9-HxCDF	---	2.3	16	11	< 0.94	< 1.2	41	---	---	---
1,2,3,7,8-PeCDD	---	4.3	15	51	2	< 0.94	80	---	---	---
1,2,3,7,8-PeCDF	---	11	53	49	< 3.6	< 1.4	< 520	---	---	---
2,3,4,6,7,8-HxCDF	---	11	62	58	3.9	< 0.98	170	---	---	---
2,3,4,7,8-PeCDF	---	15	89	44	7	< 1.4	200	---	---	---
2,3,7,8-TCDD	---	< 0.37	< 0.97	5.3	< 0.35	< 0.4	< 3.8	---	---	---
2,3,7,8-TCDF	---	4.9	16	11	0.97	< 0.28	38	---	---	---
OCDD	---	21000	86000	61000	5400	1700	250000	---	---	---
OCDF	---	200	650	1300	65	6.7	5000	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-58D	SS-13	SS-15	SS-16	SS-17	SS-18	SS-19	SS-2	TP-02	TP-02
Sample Collection Date	13.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5	< 0	< 5
Sample Depth (feet bgs)	06/18/2008	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	04/02/1996	05/03/1993	05/03/1993
Total HpCDDs	---	4200	15000	17000	1100	86	50000	---	---	---
Total HpCDFs	---	600	3500	3500	150	10	9900	---	---	---
Total HxCDDs	---	430	1600	2600	110	5	6700	---	---	---
Total HxCDFs	---	460	3500	2300	170	7.1	9200	---	---	---
Total PeCDDs	---	8.3	87	280	6.6	< 0.94	810	---	---	---
Total PeCDFs	---	200	1400	1000	62	5.7	4100	---	---	---
Total TCDDs	---	< 0.37	37	81	< 0.35	< 0.4	290	---	---	---
Total TCDFs	---	19	110	150	5.1	0.44	260	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	64	260	300	18	2.5	820	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	74.9	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	96.8	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 14.9	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	< 14.9	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	< 14.9	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	< 14.9	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	< 14.9	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	< 14.9	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	< 14.9	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	< 0.0149	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	< 14.9	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	< 0.0149	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	< 14.9	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	< 14.9	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	< 14.9	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	< 14.9	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	< 14.9	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-58D	SS-13	SS-15	SS-16	SS-17	SS-18	SS-19	SS-2	TP-02	TP-02
Sample Collection Date	13.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5	< 0	< 5
Sample Depth (feet bgs)	06/18/2008	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	04/02/1996	05/03/1993	05/03/1993
1,2-Dichloropropane	< 14.9	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	< 14.9	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	< 14.9	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	< 14.9	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	< 14.9	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	< 14.9	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	< 14.9	---	---	---	---	---	---	---	---	---
Acetone	< 74.5	---	---	---	---	---	---	---	---	---
Benzene	< 14.9	---	---	---	---	---	---	---	---	---
Bromobenzene	< 14.9	---	---	---	---	---	---	---	---	---
Bromodichloromethane	< 14.9	---	---	---	---	---	---	---	---	---
Bromoform	< 14.9	---	---	---	---	---	---	---	---	---
Bromomethane	< 14.9	---	---	---	---	---	---	---	---	---
Carbon disulfide	< 14.9	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	< 14.9	---	---	---	---	---	---	---	---	---
Chlorobenzene	< 14.9	---	---	---	---	---	---	---	---	---
Chlorobromomethane	< 14.9	---	---	---	---	---	---	---	---	---
Chloroethane	< 14.9	---	---	---	---	---	---	---	---	---
Chloroform	< 14.9	---	---	---	---	---	---	---	---	---
Chloromethane	< 14.9	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	< 14.9	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	< 14.9	---	---	---	---	---	---	---	---	---
Dibromochloromethane	< 14.9	---	---	---	---	---	---	---	---	---
Dibromomethane	< 14.9	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	< 14.9	---	---	---	---	---	---	---	---	---
Ethylbenzene	< 14.9	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	< 29.8	---	---	---	---	---	---	---	---	---
Methyl tert-butyl ether	< 14.9	---	---	---	---	---	---	---	---	---
Methylene chloride	< 74.5	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	< 14.9	---	---	---	---	---	---	---	---	---
o-Xylene	< 14.9	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	< 14.9	---	---	---	---	---	---	---	---	---
Styrene	< 14.9	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	< 0.0149	---	---	---	---	---	---	---	---	---
Tetrachloroethene	< 14.9	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-58D	SS-13	SS-15	SS-16	SS-17	SS-18	SS-19	SS-2	TP-02	TP-02
Sample Collection Date	13.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5	< 0	< 5
Sample Depth (feet bgs)	06/18/2008	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	04/02/1996	05/03/1993	05/03/1993
Toluene	< 14.9	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	< 14.9	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	< 14.9	---	---	---	---	---	---	---	---	---
Trichloroethene	< 14.9	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	< 14.9	---	---	---	---	---	---	---	---	---
Vinyl chloride	< 14.9	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 14.9	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	< 14.9	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 49.7	---	---	---	---	---	---	---	< 30	< 150
2,3,5-Trichlorophenol	< 49.7	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	< 49.7	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	< 49.7	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 49.7	---	---	---	---	---	---	---	< 30	< 30
2,4-Dichlorophenol	< 49.7	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	< 49.7	---	---	---	---	---	---	---	< 30	< 50
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	< 29.8	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	< 14.9	---	---	---	---	---	---	---	---	---
2-Nitrophenol	< 29.8	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	< 49.7	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	< 14.9	---	---	---	---	---	---	---	---	---
4-Nitrophenol	< 29.8	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-58D	SS-13	SS-15	SS-16	SS-17	SS-18	SS-19	SS-2	TP-02	TP-02
Sample Collection Date	13.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5	< 0	< 5
Sample Depth (feet bgs)	06/18/2008	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	04/02/1996	05/03/1993	05/03/1993
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 49.7	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	< 49.7	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	50.2	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	< 49.7	< 7.1	11.8	24	< 7.46	< 7.49	5070	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	< 14.9	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	< 14.9	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	< 14.9	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 74.5	< 355	< 393	< 399	< 372	< 374	821	---	< 160	< 4000
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	1090	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	103	---	---	---	---	---	---	---	---	---
Acenaphthene	512	< 7.1	< 7.87	< 8	< 7.46	< 7.49	44.3	---	---	---
Acenaphthylene	< 49.7	< 7.1	< 7.87	< 8	< 7.46	< 7.49	302	---	---	---
Anthracene	< 49.7	< 7.1	< 7.87	21.6	< 7.46	< 7.49	628	---	---	---
Benzo(a)anthracene	< 49.7	< 7.1	< 7.87	10.4	< 7.46	< 7.49	2050	---	---	---
Benzo(a)pyrene	< 49.7	< 7.1	< 7.87	< 8	< 7.46	< 7.49	1500	---	---	---
Benzo(b)fluoranthene	< 49.7	< 7.1	7.87	36	< 7.46	< 7.49	3080	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 49.7	< 7.1	8.66	11.2	< 7.46	< 7.49	559	---	---	---
Benzo(k)fluoranthene	< 49.7	< 7.1	< 7.87	< 8	< 7.46	< 7.49	1090	---	---	---
Chrysene	< 49.7	< 7.1	< 7.87	24.8	< 7.46	< 7.49	3480	---	---	---
Dibenzo(a,h)anthracene	< 49.7	< 7.1	< 7.87	8.79	< 7.46	< 7.49	247	---	---	---
Fluorene	68.6	< 7.1	< 7.87	< 8	< 7.46	< 7.49	39.7	---	---	---
Indeno(1,2,3-cd)pyrene	< 49.7	< 7.1	< 7.87	12	< 7.46	< 7.49	607	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-58D	SS-13	SS-15	SS-16	SS-17	SS-18	SS-19	SS-2	TP-02	TP-02
Sample Collection Date	13.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5	< 0	< 5
Sample Depth (feet bgs)	06/18/2008	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	02/26/2009	04/02/1996	05/03/1993	05/03/1993
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	< 49.7	< 7.1	16.5	< 8	< 7.46	< 7.49	64.1	---	---	---
Phenanthrene	< 49.7	< 7.1	22.8	16	< 7.46	< 7.49	342	---	---	---
Pyrene	< 49.7	< 7.1	17.3	24	< 7.46	< 7.49	6610	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-02	TP-03	TP-04	TP-04	TP-04	TP-05	TP-05	TP-06	TP-06	TP-06
Sample Collection Date	< 9	< 10	< 1	< 5	< 10	< 1	< 8	< 0	< 3	< 10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	< 7	< 2	< 2	< 1	< 1	< 11	< 2	< 4	< 13	< 3
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	< 23	< 8	< 13	< 0	< 9	< 25	< 17	< 11	< 26	< 21
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	< 11	< 4	< 22	< 0	< 6	< 4	< 8	< 4	< 7	< 10
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-02	TP-03	TP-04	TP-04	TP-04	TP-05	TP-05	TP-06	TP-06	TP-06
Sample Collection Date	< 9	< 10	< 1	< 5	< 10	< 1	< 8	< 0	< 3	< 10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-02	TP-03	TP-04	TP-04	TP-04	TP-05	TP-05	TP-06	TP-06	TP-06
Sample Collection Date	< 9	< 10	< 1	< 5	< 10	< 1	< 8	< 0	< 3	< 10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	< 32	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-02	TP-03	TP-04	TP-04	TP-04	TP-05	TP-05	TP-06	TP-06	TP-06
Sample Collection Date	< 9	< 10	< 1	< 5	< 10	< 1	< 8	< 0	< 3	< 10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	< 300	---	< 3600	< 3100	< 86	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	< 30	---	< 2300	< 2300	< 30	---	---	---	---
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	< 30	---	< 2300	< 2300	< 30	---	---	---	---
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-02	TP-03	TP-04	TP-04	TP-04	TP-05	TP-05	TP-06	TP-06	TP-06
Sample Collection Date	< 9	< 10	< 1	< 5	< 10	< 1	< 8	< 0	< 3	< 10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	< 670	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	< 940	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	---	< 4600	---	< 100000	< 51000	< 1600	---	---	< 3600	---
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	< 670	---
Acenaphthene	---	---	---	---	---	---	---	---	< 670	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	< 670	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	< 670	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-02	TP-03	TP-04	TP-04	TP-04	TP-05	TP-05	TP-06	TP-06	TP-06
Sample Collection Date	< 9	< 10	< 1	< 5	< 10	< 1	< 8	< 0	< 3	< 10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	< 670	---
Phenanthrene	---	---	---	---	---	---	---	---	< 670	---
Pyrene	---	---	---	---	---	---	---	---	< 1600	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-11	TP-11	TP-12	TP-12	TP-12	TP-13	TP-13	TP-14	TP-14	TP-15
Sample Collection Date	0.5	10	0.3	3	6.5	5.5	7.5	0.5	5	0.2
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	78	4.7	2.4	---	6.9	32.7	10.6	50.1	2.8	22
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	69.5	17.8	15	---	16.3	9	14.8	55.4	9.1	34.1
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	56.5	18.6	11.6	---	11.3	9.2	17	32.2	5.2	29.6
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-11	TP-11	TP-12	TP-12	TP-12	TP-13	TP-13	TP-14	TP-14	TP-15
Sample Collection Date	0.5	10	0.3	3	6.5	5.5	7.5	0.5	5	0.2
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	< 5	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-11	TP-11	TP-12	TP-12	TP-12	TP-13	TP-13	TP-14	TP-14	TP-15
Sample Collection Date	0.5	10	0.3	3	6.5	5.5	7.5	0.5	5	0.2
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	76	---	440	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	130	---	52	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	42	---	54	---	---	---
Methyl tert-butyl ether	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	< 10000	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	< 5	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-11	TP-11	TP-12	TP-12	TP-12	TP-13	TP-13	TP-14	TP-14	TP-15
Sample Collection Date	0.5	10	0.3	3	6.5	5.5	7.5	0.5	5	0.2
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Toluene	---	---	---	---	---	---	< 5	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 30	< 30	< 30	---	---	< 30	---	30	---	32
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 30	< 30	< 30	---	---	< 30	---	< 30	---	< 30
2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	< 30	< 30	< 30	---	---	< 30	---	< 30	---	< 30
2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	---	36	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	12	---	---	---
Aniline	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-11	TP-11	TP-12	TP-12	TP-12	TP-13	TP-13	TP-14	TP-14	TP-15
Sample Collection Date	0.5	10	0.3	3	6.5	5.5	7.5	0.5	5	0.2
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	< 1700	---	---	---	---	---
Dimethyl phthalate	---	---	---	< 67000	< 1700	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	200000	5300	---	---	---	---	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	460	40	190	110000	< 8500	85	---	730	---	450
Phenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	130	2.4	---	---	---	---	---
Acenaphthene	---	---	---	< 67000	2.6	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	290000	< 1700	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	< 67000	< 1700	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-11	TP-11	TP-12	TP-12	TP-12	TP-13	TP-13	TP-14	TP-14	TP-15
Sample Collection Date	0.5	10	0.3	3	6.5	5.5	7.5	0.5	5	0.2
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	810000	19000	---	---	---	---	---
Phenanthrene	---	---	---	< 320000	4000	---	---	---	---	---
Pyrene	---	---	---	< 67000	6400	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-15	TP-16	TP-16	TP-27	TP-28	TP-28	TP-32
Sample Collection Date	6	0.3	7	10	7	9.5	10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Metals (mg/kg)							
Aluminum	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---
Arsenic	51.5	41.2	7.6	---	---	---	---
Barium	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---
Chromium	12.1	40.7	11.1	---	---	---	---
Cobalt	---	---	---	---	---	---	---
Copper	7.5	55.1	11.1	---	---	---	---
Iron	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)							
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-15	TP-16	TP-16	TP-27	TP-28	TP-28	TP-32
Sample Collection Date	6	0.3	7	10	7	9.5	10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Total HpCDDs	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---
Dioxin TEQ (Mammals—WHO 2005)	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)							
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---
Diesel	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---
Heavy-Oil-Range Hydrocarbon	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---
Other Petroleum Hydrocarbons	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---
TPH (as motor oil)	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)							
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	< 5000	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---
1,1-Dichloroethene	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-15	TP-16	TP-16	TP-27	TP-28	TP-28	TP-32
Sample Collection Date	6	0.3	7	10	7	9.5	10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
1,2-Dichloropropane	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	< 10000	---
Benzene	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	< 5000	---
Isopropylbenzene	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	7300	---
Methyl tert-butyl ether	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	9300	---
n-Butylbenzene	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	< 5000	---
tert-Butylbenzene	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-15	TP-16	TP-16	TP-27	TP-28	TP-28	TP-32
Sample Collection Date	6	0.3	7	10	7	9.5	10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Toluene	---	---	---	---	---	< 5000	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)							
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	40	30	30	30	---	30
2,3,5-Trichlorophenol	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	< 30	< 30	< 30	< 30	---	< 30
2,4-Dichlorophenol	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	< 30	30	30	30	---	30
2,4-Dinitrophenol	---	---	---	---	---	---	---
2,4-Dinitrotoluene	---	---	---	---	---	---	---
2,6-Dichlorophenol	---	---	---	---	---	---	---
2,6-Dinitrotoluene	---	---	---	---	---	---	---
2-Chloronaphthalene	---	---	---	---	---	---	---
2-Chlorophenol	---	---	---	---	---	10000	---
2-Methylphenol	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---
3- & 4-Methylphenol	---	---	---	---	---	---	---
3,3-Dichlorobenzidine	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---
4-Bromophenylphenyl ether	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	---	---	---	---	---	---	---
4-Chloroaniline	---	---	---	---	---	---	---
4-Chlorophenylphenyl ether	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	10000	---
Aniline	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---

Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-15	TP-16	TP-16	TP-27	TP-28	TP-28	TP-32
Sample Collection Date	6	0.3	7	10	7	9.5	10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Bis(2-chloro-1-methylethyl) ether	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---
Butylbenzylphthalate	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---
Diethylphthalate	---	---	---	---	---	67000	---
Dimethyl phthalate	---	---	---	---	---	140000	---
Di-n-butyl phthalate	---	---	---	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---
Hexachlorobenzene	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	240000	---
Hexachlorocyclopentadiene	---	---	---	---	---	---	---
Hexachloroethane	---	---	---	---	---	---	---
Isophorone	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	---	---	---	---	---	---	---
N-Nitrosodipropylamine	---	---	---	---	---	---	---
Pentachlorophenol	---	620	320	35	33	< 330000	190
Phenol	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)							
1-Methylnaphthalene	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	340	---
Acenaphthene	---	---	---	---	---	250	---
Acenaphthylene	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	130000	---
Benzo(a)anthracene	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---
Benzo(b+k)fluoranthene	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	180000	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-15	TP-16	TP-16	TP-27	TP-28	TP-28	TP-32
Sample Collection Date	6	0.3	7	10	7	9.5	10
Sample Depth (feet bgs)	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Indeno(1,2,3-cd)pyrene/ dibenz(a,h)anthracene	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	1400000	---
Phenanthrene	---	---	---	---	---	500000	---
Pyrene	---	---	---	---	---	200000	---

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Table A-2
Cell 2 Analytical Results
Port of Ridgefield
Ridgefield, Washington

NOTES:
--- = not analyzed.
bgs = below ground surface.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
PHC = petroleum hydrocarbon.
TEQ = toxicity equivalent. Calculated using World Health Organization 2005 methodology.
TPH = total petroleum hydrocarbons.
ug/kg = micrograms per kilogram.

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-204	B-204	B-204	B-205	B-205	B-205	B-206	B-206	B-206	B-207
Sample Date	10/28/1999	10/28/1999	10/28/1999	10/29/1999	10/29/1999	10/29/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	2.5	5	10	2.5	5	10	2.5	5	10	2.5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	11	---	---	3	---	---	5	---	9	8
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	32	---	---	18	---	---	21	---	27	18
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	41	---	---	23	---	---	20	---	24	18
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	49	---	---	58	---	---	46	---	62	87
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-204	B-204	B-204	B-205	B-205	B-205	B-206	B-206	B-206	B-207
Sample Date	10/28/1999	10/28/1999	10/28/1999	10/29/1999	10/29/1999	10/29/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	2.5	5	10	2.5	5	10	2.5	5	10	2.5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	---	---	< 10	---	---	< 10	---	< 10	< 10
Gasoline	< 10	---	---	< 10	---	---	< 10	---	< 10	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	---	---	< 25	---	---	< 25	---	< 25	< 25
Jet fuels	< 10	---	---	< 10	---	---	< 10	---	< 10	< 10
Kerosene	< 10	---	---	< 10	---	---	< 10	---	< 10	< 10
Lube-Oil-Range Hydrocarbons	< 25	---	---	< 25	---	---	< 25	---	< 25	< 25
Mineral spirits	< 10	---	---	< 10	---	---	< 10	---	< 10	< 10
Naphtha Distillate	< 10	---	---	< 10	---	---	< 10	---	< 10	< 10
Non-PHC as Diesel	< 50	---	---	< 50	---	---	< 50	---	< 50	< 50
PHC as Diesel	670	---	---	160	---	---	112	---	1090	884
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,1,1-Trichloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,1,2-Trichloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,1-Dichloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,1-Dichloropropene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,2,3-Trichlorobenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
1,2,3-Trichloropropane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,2,4-Trichlorobenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
1,2,4-Trimethylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
1,2-Dibromo-3-chloropropane	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
1,2-Dibromoethane	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
1,2-Dichlorobenzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,2-Dichloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,2-Dichloropropane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,3,5-Trimethylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
1,3-Dichlorobenzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,3-Dichloropropane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
1,4-Dichlorobenzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
2,2-Dichloropropane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-204	B-204	B-204	B-205	B-205	B-205	B-206	B-206	B-206	B-207
Sample Date	10/28/1999	10/28/1999	10/28/1999	10/29/1999	10/29/1999	10/29/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	2.5	5	10	2.5	5	10	2.5	5	10	2.5
2-Butanone	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
2-Chlorotoluene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
2-Hexanone	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
4-Chlorotoluene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
4-Isopropyltoluene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
4-Methyl-2-pentanone	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
Acetone	< 50	82	---	< 50	110	---	< 50	81	---	< 50
Benzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Bromobenzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Bromodichloromethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Bromoform	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Bromomethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Carbon disulfide	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Carbon tetrachloride	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Chlorobenzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Chlorobromomethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Chloroethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Chloroform	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Chloromethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
cis-1,2-Dichloroethene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
cis-1,3-Dichloropropene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Dibromochloromethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Dibromomethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Dichlorodifluoromethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Ethylbenzene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Hexachlorobutadiene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
Isopropylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
m,p-Xylene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Methylene chloride	< 10	< 10	---	< 10	< 10	---	< 10	< 10	---	< 10
n-Butylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
n-Propylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
o-Xylene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
sec-Butylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
Styrene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
tert-Butylbenzene	< 20	< 20	---	< 20	< 20	---	< 20	< 20	---	< 20
Tetrachloroethene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Toluene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
trans-1,2-Dichloroethene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
trans-1,3-Dichloropropene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Trichloroethene	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Trichlorofluoromethane	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5
Vinyl chloride	< 5	< 5	---	< 5	< 5	---	< 5	< 5	---	< 5

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-204	B-204	B-204	B-205	B-205	B-205	B-206	B-206	B-206	B-207
Sample Date	10/28/1999	10/28/1999	10/28/1999	10/29/1999	10/29/1999	10/29/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	2.5	5	10	2.5	5	10	2.5	5	10	2.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	94	---	---	< 50	---	---	< 50	< 50	16000	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	---	< 50	---	---	< 50	< 50	< 500	< 50
2,3,5,6-Tetrachlorophenol	< 50	---	---	< 50	---	---	< 50	< 50	< 500	< 50
2,3,5-Trichlorophenol	< 50	---	---	< 50	---	---	< 50	< 50	< 500	< 50
2,3,6-Trichlorophenol	< 50	---	---	< 50	---	---	< 50	< 50	< 500	< 50
2,4,5-Trichlorophenol	< 50	---	---	< 50	---	---	< 50	< 50	< 500	< 50
2,4,6-Trichlorophenol	< 500	< 5	< 5	< 50	< 5	< 5	< 500	< 50	< 50000	< 50
3,4,5-Trichlorophenol	< 50	---	---	< 50	---	---	< 50	< 50	< 500	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	190	---	---	84	---	---	< 10	< 10	140	20
Dibenzofuran	11	---	---	17	---	---	< 10	< 10	170	< 10
Fluoranthene	1600	---	---	250	---	---	43	< 10	2000	380
Pentachlorophenol	4300	< 5	< 5	330	< 5	< 5	1800	< 40	340000	1100
Tetrachlorophenols, Total	< 500	< 5	< 5	7.1	< 5	< 5	< 500	< 5	< 50000	7.9
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	11	---	---	41	---	---	< 10	< 10	110	24
Acenaphthylene	190	---	---	68	---	---	< 10	< 50	< 500	16
Anthracene	420	---	---	180	---	---	< 10	< 10	1100	78
Benzo(a)anthracene	1300	---	---	170	---	---	< 10	< 10	560	99
Benzo(a)pyrene	2500	---	---	340	---	---	< 10	< 10	130	180
Benzo(b)fluoranthene	6300	---	---	560	---	---	27	< 10	210	310
Benzo(ghi)perylene	1600	---	---	370	---	---	< 10	< 10	< 100	150
Benzo(k)fluoranthene	4900	---	---	520	---	---	16	< 10	150	220
Chrysene	6300	---	---	390	---	---	25	< 10	630	260
Dibenzo(a,h)anthracene	450	---	---	83	---	---	< 10	< 10	< 100	< 100
Fluorene	16	---	---	34	---	---	< 10	< 10	440	25
Indeno(1,2,3-cd)pyrene	2100	---	---	440	---	---	< 10	< 10	< 100	210
Naphthalene	< 20	< 20	---	53	< 20	---	< 20	< 20	1600	< 20
Phenanthrene	200	---	---	160	---	---	40	< 10	2700	68
Pyrene	9700	---	---	300	---	---	39	< 10	1700	470

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-207	B-207	B-208	B-208	B-208	B-209	B-209	B-209	B-210	B-210
Sample Date	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	5	10	2.5	5	10	2.5	5	10	2.5	5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	7	4	5	5	---	---	---	3	---	6
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	31	30	27	28	---	---	---	24	---	29
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	27	27	23	34	---	---	---	24	---	20
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	79	69	57	85	---	---	---	66	---	74
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-207	B-207	B-208	B-208	B-208	B-209	B-209	B-209	B-210	B-210
Sample Date	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	5	10	2.5	5	10	2.5	5	10	2.5	5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	< 10	< 10	< 10	---	---	---	< 10	---	< 10
Gasoline	< 10	< 10	< 10	< 10	---	---	---	< 10	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	---	---	---	< 25	---	< 25
Jet fuels	< 10	< 10	< 10	< 10	---	---	---	< 10	---	< 10
Kerosene	< 10	< 10	< 10	< 10	---	---	---	< 10	---	< 10
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	---	---	---	< 25	---	190
Mineral spirits	< 10	< 10	< 10	< 10	---	---	---	< 10	---	< 10
Naphtha Distillate	< 10	< 10	< 10	< 10	---	---	---	< 10	---	< 10
Non-PHC as Diesel	< 50	< 50	< 50	< 50	---	---	---	< 50	---	< 50
PHC as Diesel	< 25	< 25	3390	214	---	---	---	< 25	---	< 25
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,1,1-Trichloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,1,2,2-Tetrachloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,1,2-Trichloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,1-Dichloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,1-Dichloropropene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,2,3-Trichlorobenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
1,2,3-Trichloropropane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,2,4-Trichlorobenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
1,2,4-Trimethylbenzene	---	---	34	< 20	---	---	---	---	< 20	< 20
1,2-Dibromo-3-chloropropane	---	---	< 20	< 20	---	---	---	---	< 20	< 20
1,2-Dibromoethane	---	---	< 20	< 20	---	---	---	---	< 20	< 20
1,2-Dichlorobenzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,2-Dichloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,2-Dichloropropane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,3,5-Trimethylbenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
1,3-Dichlorobenzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,3-Dichloropropane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
1,4-Dichlorobenzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
2,2-Dichloropropane	---	---	< 5	< 5	---	---	---	---	< 5	< 5

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-207	B-207	B-208	B-208	B-208	B-209	B-209	B-209	B-210	B-210
Sample Date	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	5	10	2.5	5	10	2.5	5	10	2.5	5
2-Butanone	---	---	< 20	20	---	---	---	---	< 20	< 20
2-Chlorotoluene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
2-Hexanone	---	---	< 20	< 20	---	---	---	---	< 20	< 20
4-Chlorotoluene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
4-Isopropyltoluene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
4-Methyl-2-pentanone	---	---	< 20	< 20	---	---	---	---	< 20	< 20
Acetone	---	---	72	98	---	---	---	---	< 50	< 50
Benzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Bromobenzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Bromodichloromethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Bromoform	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Bromomethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Carbon disulfide	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Carbon tetrachloride	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Chlorobenzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Chlorobromomethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Chloroethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Chloroform	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Chloromethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
cis-1,2-Dichloroethene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
cis-1,3-Dichloropropene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Dibromochloromethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Dibromomethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Dichlorodifluoromethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Ethylbenzene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Hexachlorobutadiene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
Isopropylbenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
m,p-Xylene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Methylene chloride	---	---	< 10	< 10	---	---	---	---	< 10	< 10
n-Butylbenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
n-Propylbenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
o-Xylene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
sec-Butylbenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
Styrene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
tert-Butylbenzene	---	---	< 20	< 20	---	---	---	---	< 20	< 20
Tetrachloroethene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Toluene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
trans-1,2-Dichloroethene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
trans-1,3-Dichloropropene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Trichloroethene	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Trichlorofluoromethane	---	---	< 5	< 5	---	---	---	---	< 5	< 5
Vinyl chloride	---	---	< 5	< 5	---	---	---	---	< 5	< 5

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-207	B-207	B-208	B-208	B-208	B-209	B-209	B-209	B-210	B-210
Sample Date	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999	11/01/1999
Sample Depth (feet bgs)	5	10	2.5	5	10	2.5	5	10	2.5	5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 50	1300	< 50	< 50	< 50	---	< 50	< 50	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	---	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 50	690	< 50	< 50	< 50	---	< 50	< 50	93
2,3,5-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	---	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	---	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	---	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	---	< 50	< 50	< 50
3,4,5-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	---	< 50	< 50	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 10	110	94	< 10	< 10	---	< 10	< 10	36
Dibenzofuran	< 10	< 10	670	52	< 10	< 10	---	< 10	< 10	30
Fluoranthene	< 10	< 10	3800	940	< 10	51	---	11	34	2000
Pentachlorophenol	< 40	< 40	43000	1400	< 40	< 40	< 5	< 40	47	1800
Tetrachlorophenols, Total	< 5	< 5	640	70	< 5	< 5	< 5	< 5	< 5	< 500
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 10	540	84	< 10	< 10	---	< 10	< 10	11
Acenaphthylene	< 50	< 10	< 500	25	< 50	< 50	---	< 10	< 50	< 50
Anthracene	< 10	< 10	510	170	< 10	12	---	< 10	< 10	88
Benzo(a)anthracene	< 10	< 10	540	480	< 10	16	---	< 10	< 10	340
Benzo(a)pyrene	< 10	< 10	110	450	< 10	12	---	< 10	< 10	110
Benzo(b)fluoranthene	< 10	15	270	1200	< 10	16	---	< 10	13	370
Benzo(ghi)perylene	< 10	< 10	< 100	180	< 10	< 10	---	< 10	< 10	51
Benzo(k)fluoranthene	< 10	11	200	710	< 10	13	---	< 10	11	250
Chrysene	< 10	< 10	730	1100	< 10	20	---	< 10	14	560
Dibenzo(a,h)anthracene	< 10	< 10	< 100	63	< 10	< 10	---	< 10	< 10	20
Fluorene	< 10	< 10	1200	110	< 10	< 10	---	< 10	< 10	71
Indeno(1,2,3-cd)pyrene	< 10	10	< 100	350	< 10	13	---	< 10	11	95
Naphthalene	< 10	< 10	190	< 20	< 10	12	---	< 10	< 20	< 20
Phenanthrene	< 10	< 10	5000	490	< 10	29	---	< 10	< 10	150
Pyrene	< 10	22	2900	950	< 10	63	---	10	38	1800

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-210	B-212	B-212	B-212	B-213	B-213	B-213	B-214	B-214	B-214
Sample Date	11/01/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/03/1999	11/03/1999	11/03/1999
Sample Depth (feet bgs)	15	2.5	5	10	2.5	5	10	2.5	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	5	---	6	---	7	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	28	---	22	---	25	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	31	---	45	---	28	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	75	---	181	---	80	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-210	B-212	B-212	B-212	B-213	B-213	B-213	B-214	B-214	B-214
Sample Date	11/01/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/03/1999	11/03/1999	11/03/1999
Sample Depth (feet bgs)	15	2.5	5	10	2.5	5	10	2.5	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	---	< 10	---	---	---	---	---	---	---
Gasoline	< 10	---	< 10	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	---	< 25	---	---	---	---	---	---	---
Jet fuels	< 10	---	< 10	---	---	---	---	---	---	---
Kerosene	< 10	---	< 10	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	< 25	---	297	---	---	---	---	---	---	---
Mineral spirits	< 10	---	< 10	---	---	---	---	---	---	---
Naphtha Distillate	< 10	---	< 10	---	---	---	---	---	---	---
Non-PHC as Diesel	< 50	---	< 50	---	---	---	---	---	---	---
PHC as Diesel	< 25	---	< 25	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,1,1-Trichloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,1,2,2-Tetrachloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,1,2-Trichloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,1-Dichloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,1-Dichloropropene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,2,3-Trichlorobenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
1,2,3-Trichloropropane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,2,4-Trichlorobenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
1,2,4-Trimethylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
1,2-Dibromo-3-chloropropane	---	< 20	< 20	---	---	---	---	< 20	< 20	---
1,2-Dibromoethane	---	< 20	< 20	---	---	---	---	< 20	< 20	---
1,2-Dichlorobenzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,2-Dichloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,2-Dichloropropane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,3,5-Trimethylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
1,3-Dichlorobenzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,3-Dichloropropane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
1,4-Dichlorobenzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
2,2-Dichloropropane	---	< 5	< 5	---	---	---	---	< 5	< 5	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-210	B-212	B-212	B-212	B-213	B-213	B-213	B-214	B-214	B-214
Sample Date	11/01/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/03/1999	11/03/1999	11/03/1999
Sample Depth (feet bgs)	15	2.5	5	10	2.5	5	10	2.5	5	10
2-Butanone	---	36	< 20	---	---	---	---	< 20	< 20	---
2-Chlorotoluene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
2-Hexanone	---	< 20	< 20	---	---	---	---	< 20	< 20	---
4-Chlorotoluene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
4-Isopropyltoluene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
4-Methyl-2-pentanone	---	< 20	< 20	---	---	---	---	< 20	< 20	---
Acetone	---	180	< 50	---	---	---	---	< 50	< 50	---
Benzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Bromobenzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Bromodichloromethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Bromoform	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Bromomethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Carbon disulfide	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Carbon tetrachloride	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Chlorobenzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Chlorobromomethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Chloroethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Chloroform	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Chloromethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
cis-1,2-Dichloroethene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
cis-1,3-Dichloropropene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Dibromochloromethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Dibromomethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Dichlorodifluoromethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Ethylbenzene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Hexachlorobutadiene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
Isopropylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
m,p-Xylene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Methylene chloride	---	< 10	< 10	---	---	---	---	< 10	< 10	---
n-Butylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
n-Propylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
o-Xylene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
sec-Butylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
Styrene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
tert-Butylbenzene	---	< 20	< 20	---	---	---	---	< 20	< 20	---
Tetrachloroethene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Toluene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
trans-1,2-Dichloroethene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
trans-1,3-Dichloropropene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Trichloroethene	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Trichlorofluoromethane	---	< 5	< 5	---	---	---	---	< 5	< 5	---
Vinyl chloride	---	< 5	< 5	---	---	---	---	< 5	< 5	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-210	B-212	B-212	B-212	B-213	B-213	B-213	B-214	B-214	B-214
Sample Date	11/01/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/02/1999	11/03/1999	11/03/1999	11/03/1999
Sample Depth (feet bgs)	15	2.5	5	10	2.5	5	10	2.5	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
2,3,6-Trichlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
2,4,5-Trichlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
2,4,6-Trichlorophenol	< 50	< 5	< 50	< 5	< 50	< 5	< 5	< 5	< 5	< 5
3,4,5-Trichlorophenol	< 50	---	< 50	---	< 50	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	---	< 10	---	13	---	---	---	---	---
Dibenzofuran	< 10	---	< 10	---	< 10	---	---	---	---	---
Fluoranthene	< 10	---	23	---	52	---	---	---	---	---
Pentachlorophenol	< 40	< 5	< 40	< 5	43	< 5	< 5	< 5	< 5	< 5
Tetrachlorophenols, Total	24	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	---	< 10	---	< 10	---	---	---	---	---
Acenaphthylene	< 10	---	< 50	---	< 50	---	---	---	---	---
Anthracene	< 10	---	< 10	---	23	---	---	---	---	---
Benzo(a)anthracene	< 10	---	< 10	---	34	---	---	---	---	---
Benzo(a)pyrene	< 10	---	10	---	71	---	---	---	---	---
Benzo(b)fluoranthene	< 10	---	19	---	160	---	---	---	---	---
Benzo(ghi)perylene	< 10	---	< 10	---	85	---	---	---	---	---
Benzo(k)fluoranthene	< 10	---	11	---	110	---	---	---	---	---
Chrysene	< 10	---	15	---	91	---	---	---	---	---
Dibenzo(a,h)anthracene	< 10	---	< 10	---	22	---	---	---	---	---
Fluorene	< 10	---	< 10	---	< 10	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	< 10	---	14	---	160	---	---	---	---	---
Naphthalene	< 10	< 20	< 20	---	< 10	---	---	< 20	< 20	---
Phenanthrene	< 10	---	15	---	11	---	---	---	---	---
Pyrene	< 10	---	22	---	60	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-215	B-215	B-215	B-216	B-216	B-217	B-217	B-217	B-218	B-218
Sample Date	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/05/1999	11/05/1999	11/05/1999	11/08/1999	11/08/1999
Sample Depth (feet bgs)	2.5	5	10	5	10	2.5	10	15	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	6	5	5	5	4	13	52	6	11	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	16	28	20	21	22	17	32	30	21	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	18	22	23	22	25	25	70	32	25	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	40	53	56	63	63	59	163	73	63	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-215	B-215	B-215	B-216	B-216	B-217	B-217	B-217	B-218	B-218
Sample Date	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/05/1999	11/05/1999	11/05/1999	11/08/1999	11/08/1999
Sample Depth (feet bgs)	2.5	5	10	5	10	2.5	10	15	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Lube-Oil-Range Hydrocarbons	< 25	< 25	500	< 25	< 25	< 25	< 25	< 25	< 25	---
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Naphtha Distillate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
Non-PHC as Diesel	< 50	< 50	< 50	< 50	< 50	< 50	150	< 50	< 50	---
PHC as Diesel	250	82	< 25	< 25	< 25	520	< 25	< 25	1400	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,1,1-Trichloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,1,2,2-Tetrachloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,1,2-Trichloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,1-Dichloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,1-Dichloropropene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,2,3-Trichlorobenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
1,2,3-Trichloropropane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,2,4-Trichlorobenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
1,2,4-Trimethylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
1,2-Dibromo-3-chloropropane	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
1,2-Dibromoethane	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
1,2-Dichlorobenzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,2-Dichloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,2-Dichloropropane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,3,5-Trimethylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
1,3-Dichlorobenzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,3-Dichloropropane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
1,4-Dichlorobenzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
2,2-Dichloropropane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-215	B-215	B-215	B-216	B-216	B-217	B-217	B-217	B-218	B-218
Sample Date	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/05/1999	11/05/1999	11/05/1999	11/08/1999	11/08/1999
Sample Depth (feet bgs)	2.5	5	10	5	10	2.5	10	15	5	10
2-Butanone	< 20	< 20	---	50	---	< 20	---	---	< 20	---
2-Chlorotoluene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
2-Hexanone	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
4-Chlorotoluene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
4-Isopropyltoluene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
4-Methyl-2-pentanone	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
Acetone	< 50	< 50	---	220	---	< 50	---	---	< 50	---
Benzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Bromobenzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Bromodichloromethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Bromoform	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Bromomethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Carbon disulfide	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Carbon tetrachloride	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Chlorobenzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Chlorobromomethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Chloroethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Chloroform	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Chloromethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
cis-1,2-Dichloroethene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
cis-1,3-Dichloropropene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Dibromochloromethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Dibromomethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Dichlorodifluoromethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Ethylbenzene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Hexachlorobutadiene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
Isopropylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
m,p-Xylene	< 5	< 5	---	< 5	---	< 5	---	---	8	---
Methylene chloride	< 10	< 10	---	< 10	---	< 10	---	---	< 10	---
n-Butylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
n-Propylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
o-Xylene	< 5	< 5	---	< 5	---	< 5	---	---	6	---
sec-Butylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
Styrene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
tert-Butylbenzene	< 20	< 20	---	< 20	---	< 20	---	---	< 20	---
Tetrachloroethene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Toluene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
trans-1,2-Dichloroethene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
trans-1,3-Dichloropropene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Trichloroethene	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Trichlorofluoromethane	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---
Vinyl chloride	< 5	< 5	---	< 5	---	< 5	---	---	< 5	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-215	B-215	B-215	B-216	B-216	B-217	B-217	B-217	B-218	B-218
Sample Date	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/04/1999	11/05/1999	11/05/1999	11/05/1999	11/08/1999	11/08/1999
Sample Depth (feet bgs)	2.5	5	10	5	10	2.5	10	15	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	250	100	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50	---
2,3,5,6-Tetrachlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	180	76	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50	---
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50	---
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50	---
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 5	< 50	< 50	< 500	< 500	< 5
3,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	---	57	< 50	59	< 50	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	21	12	< 10	< 10	---	42	47	60	240	---
Dibenzofuran	< 10	< 10	< 10	< 10	---	28	36	33	200	---
Fluoranthene	230	180	< 10	< 10	---	1400	450	< 10	7400	---
Pentachlorophenol	620	430	780	91	< 5	500	180	2000	5100	< 5
Tetrachlorophenols, Total	< 50	< 50	50	8.4	< 5	< 50	< 50	870	< 500	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 10	< 10	< 10	---	55	50	< 10	180	---
Acenaphthylene	11	< 10	< 10	< 10	---	27	< 10	< 10	68	---
Anthracene	28	16	< 10	< 10	---	210	200	< 10	1100	---
Benzo(a)anthracene	110	< 100	< 10	< 10	---	420	120	< 10	1800	---
Benzo(a)pyrene	92	< 100	< 10	< 10	---	390	140	< 10	1700	---
Benzo(b)fluoranthene	330	170	< 10	< 10	---	540	180	< 10	2100	---
Benzo(ghi)perylene	94	< 100	< 10	< 10	---	370	98	< 10	520	---
Benzo(k)fluoranthene	250	150	< 10	< 10	---	560	180	< 10	2300	---
Chrysene	310	240	11	< 10	---	680	200	< 10	4900	---
Dibenzo(a,h)anthracene	26	< 100	< 10	< 10	---	< 100	27	< 10	150	---
Fluorene	< 10	< 10	< 10	< 10	---	91	86	43	790	---
Indeno(1,2,3-cd)pyrene	98	< 100	< 10	< 10	---	380	110	< 10	690	---
Naphthalene	< 20	< 20	< 10	< 20	---	< 20	30	< 10	< 20	---
Phenanthrene	66	37	< 10	< 10	---	170	470	< 10	1900	---
Pyrene	230	170	12	< 10	---	1300	430	< 10	7800	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-218	B-219	B-219	B-219	B-275	B-275	B-275	B-275	B-276	B-276
Sample Date	11/08/1999	11/08/1999	11/08/1999	11/08/1999	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	15	2.5	5	10	0.5	0.5	5	10	0.5	3
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	5	---	---	5	6.7	---	7.2	6	2.4	1.6
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	27	---	---	23	15.3	---	21	15	15.1	30.4
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	24	---	---	24	24.2	---	17	20.7	32.1	20.6
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	< 20	---	< 23	< 23	< 22	< 22
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	64	---	---	64	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-218	B-219	B-219	B-219	B-275	B-275	B-275	B-275	B-276	B-276
Sample Date	11/08/1999	11/08/1999	11/08/1999	11/08/1999	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	15	2.5	5	10	0.5	0.5	5	10	0.5	3
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	---	---	< 10	33	---	< 15	< 15	< 13	< 13
Gasoline	< 10	---	---	< 10	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	---	---	< 25	---	---	---	---	---	---
Jet fuels	< 10	---	---	< 10	---	---	---	---	---	---
Kerosene	< 10	---	---	< 10	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	< 25	---	---	< 25	---	---	---	---	---	---
Mineral spirits	< 10	---	---	< 10	---	---	---	---	---	---
Naphtha Distillate	< 10	---	---	< 10	---	---	---	---	---	---
Non-PHC as Diesel	< 50	---	---	< 50	---	---	---	---	---	---
PHC as Diesel	< 25	---	---	< 25	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	130	---	< 57	< 60	71	< 50
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1-Dichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1-Dichloropropene	---	< 5	< 5	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	< 20	< 20	---	---	---	---	---	---	---
1,2-Dibromoethane	---	< 20	< 20	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
1,2-Dichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,2-Dichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
1,3-Dichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
2,2-Dichloropropane	---	< 5	< 5	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-218	B-219	B-219	B-219	B-275	B-275	B-275	B-275	B-276	B-276
Sample Date	11/08/1999	11/08/1999	11/08/1999	11/08/1999	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	15	2.5	5	10	0.5	0.5	5	10	0.5	3
2-Butanone	---	25	< 20	---	---	---	---	---	---	---
2-Chlorotoluene	---	< 20	< 20	---	---	---	---	---	---	---
2-Hexanone	---	< 20	< 20	---	---	---	---	---	---	---
4-Chlorotoluene	---	< 20	< 20	---	---	---	---	---	---	---
4-Isopropyltoluene	---	< 20	< 20	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	< 20	< 20	---	---	---	---	---	---	---
Acetone	---	130	74	---	---	---	---	---	---	---
Benzene	---	< 5	< 5	---	---	---	---	---	---	---
Bromobenzene	---	< 5	< 5	---	---	---	---	---	---	---
Bromodichloromethane	---	< 5	< 5	---	---	---	---	---	---	---
Bromoform	---	< 5	< 5	---	---	---	---	---	---	---
Bromomethane	---	< 5	< 5	---	---	---	---	---	---	---
Carbon disulfide	---	< 5	< 5	---	---	---	---	---	---	---
Carbon tetrachloride	---	< 5	< 5	---	---	---	---	---	---	---
Chlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
Chlorobromomethane	---	< 5	< 5	---	---	---	---	---	---	---
Chloroethane	---	< 5	< 5	---	---	---	---	---	---	---
Chloroform	---	< 5	< 5	---	---	---	---	---	---	---
Chloromethane	---	< 5	< 5	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	< 5	< 5	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	< 5	< 5	---	---	---	---	---	---	---
Dibromochloromethane	---	< 5	< 5	---	---	---	---	---	---	---
Dibromomethane	---	< 5	< 5	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	< 5	< 5	---	---	---	---	---	---	---
Ethylbenzene	---	< 5	< 5	---	---	---	---	---	---	---
Hexachlorobutadiene	---	< 20	< 20	---	---	---	---	---	---	---
Isopropylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
m,p-Xylene	---	< 5	< 5	---	---	---	---	---	---	---
Methylene chloride	---	< 10	< 10	---	---	---	---	---	---	---
n-Butylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
n-Propylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
o-Xylene	---	< 5	< 5	---	---	---	---	---	---	---
sec-Butylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
Styrene	---	< 5	< 5	---	---	---	---	---	---	---
tert-Butylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
Tetrachloroethene	---	< 5	< 5	---	---	---	---	---	---	---
Toluene	---	< 5	< 5	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	< 5	< 5	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	< 5	< 5	---	---	---	---	---	---	---
Trichloroethene	---	< 5	< 5	---	---	---	---	---	---	---
Trichlorofluoromethane	---	< 5	< 5	---	---	---	---	---	---	---
Vinyl chloride	---	< 5	< 5	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-218	B-219	B-219	B-219	B-275	B-275	B-275	B-275	B-276	B-276
Sample Date	11/08/1999	11/08/1999	11/08/1999	11/08/1999	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	15	2.5	5	10	0.5	0.5	5	10	0.5	3
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	210	---	---	< 50	---	74	< 50	< 50	< 50	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	---	< 50	---	< 50	< 50	< 50	< 50	< 50
2,3,5,6-Tetrachlorophenol	130	---	---	< 50	---	< 50	< 50	< 50	< 50	< 50
2,3,5-Trichlorophenol	< 50	---	---	< 50	---	< 50	< 50	< 50	< 50	< 50
2,3,6-Trichlorophenol	< 50	---	---	< 50	---	< 50	< 50	< 50	< 50	< 50
2,4,5-Trichlorophenol	< 50	---	---	< 50	---	< 50	< 50	< 50	< 50	< 50
2,4,6-Trichlorophenol	< 500	< 5	< 5	< 50	---	< 50	< 50	< 50	< 50	< 50
3,4,5-Trichlorophenol	< 50	---	---	< 50	---	< 50	< 50	< 50	< 50	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	49	---	---	< 10	---	47	< 10	< 10	< 10	< 10
Dibenzofuran	110	---	---	< 10	---	< 10	< 10	< 10	< 10	< 10
Fluoranthene	< 10	---	---	10	---	140	< 10	< 10	< 10	< 10
Pentachlorophenol	1200	< 5	< 5	< 40	---	1200	< 50	< 50	< 50	< 50
Tetrachlorophenols, Total	540	< 5	< 5	< 5	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	---	---	< 10	---	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	< 10	---	---	< 10	---	200	< 10	< 10	< 10	< 10
Anthracene	< 10	---	---	< 10	---	310	< 10	< 10	< 10	< 10
Benzo(a)anthracene	< 10	---	---	< 10	---	110	< 10	< 10	< 10	< 10
Benzo(a)pyrene	< 10	---	---	< 10	---	85	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	< 10	---	---	12	---	400	< 10	< 10	< 10	< 10
Benzo(ghi)perylene	< 10	---	---	< 10	---	72	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	< 10	---	---	11	---	85	< 10	< 10	< 10	< 10
Chrysene	< 10	---	---	< 10	---	210	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 10	---	---	< 10	---	54	< 10	< 10	< 10	< 10
Fluorene	140	---	---	< 10	---	---	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	< 10	---	---	< 10	---	330	< 10	< 10	< 10	< 10
Naphthalene	< 10	< 20	< 20	< 10	---	36	< 10	< 10	< 10	< 10
Phenanthrene	< 10	---	---	< 10	---	42	< 10	< 10	< 10	< 10
Pyrene	< 10	---	---	10	---	180	< 10	< 10	< 10	< 10

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-277	B-277	B-277	B-277	B-278	B-278	B-278	B-279	B-279	B-279
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	10	0.5	2.5	5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	< 2.1	2.6	< 2.3	2.6	6.3	2.9	2.9	3	3.9	5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	7.7	20.2	23.1	21	26.1	12.9	26.5	14	15.1	20.9
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	14.5	18.7	19.9	21.7	29.8	20.7	28.5	17.4	13.8	22.8
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 20	< 23	< 23	< 21	< 21	< 23	< 22	< 22	< 22	< 22
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-277	B-277	B-277	B-277	B-278	B-278	B-278	B-279	B-279	B-279
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	10	0.5	2.5	5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 13	< 15	< 15	< 16	44	25	< 16	< 14	< 14	< 17
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	< 51	< 58	< 58	< 62	97	< 57	< 64	< 55	< 54	< 67
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-277	B-277	B-277	B-277	B-278	B-278	B-278	B-279	B-279	B-279
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	10	0.5	2.5	5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-277	B-277	B-277	B-277	B-278	B-278	B-278	B-279	B-279	B-279
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	10	0.5	2.5	5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
2,3,5,6-Tetrachlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
2,3,5-Trichlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
2,3,6-Trichlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
2,4,5-Trichlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
2,4,6-Trichlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
3,4,5-Trichlorophenol	< 47	< 50	< 48	< 49	< 49	< 50	< 50	< 50	< 50	< 49
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 9.4	< 10	< 9.6	< 9.8	100	< 9.9	< 10	< 10	< 10	< 9.8
Dibenzofuran	< 9.4	< 10	< 9.6	< 9.8	12	< 9.9	< 10	< 10	< 10	< 9.8
Fluoranthene	< 9.4	13	< 9.6	< 9.8	220	57	< 10	15	17	< 9.8
Pentachlorophenol	< 47	< 50	< 48	< 49	600	120	< 50	< 50	< 50	< 49
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 9.4	< 10	< 9.6	< 9.8	< 9.8	< 9.9	< 10	< 10	< 10	< 9.8
Acenaphthylene	< 9.4	< 10	< 9.6	< 9.8	21	< 9.9	< 10	< 10	< 10	< 9.8
Anthracene	< 9.4	27	< 9.6	< 9.8	400	11	< 10	< 10	< 10	< 9.8
Benzo(a)anthracene	< 9.4	< 10	< 9.6	< 9.8	150	20	< 10	< 10	< 10	< 9.8
Benzo(a)pyrene	< 9.4	14	< 9.6	< 9.8	140	12	< 10	< 10	11	< 9.8
Benzo(b)fluoranthene	< 9.4	33	9.6	< 9.8	400	26	< 10	< 10	22	< 9.8
Benzo(ghi)perylene	< 9.4	19	< 9.6	< 9.8	120	< 9.9	< 10	< 10	15	< 9.8
Benzo(k)fluoranthene	< 9.4	< 10	< 9.6	< 9.8	110	< 9.9	< 10	< 10	< 10	< 9.8
Chrysene	< 9.4	16	< 9.6	< 9.8	340	37	< 10	< 10	16	< 9.8
Dibenzo(a,h)anthracene	< 9.4	< 10	< 9.6	< 9.8	28	< 9.9	< 10	< 10	< 10	< 9.8
Fluorene	< 9.4	< 10	< 9.6	< 9.8	29	11	< 10	< 10	< 10	< 9.8
Indeno(1,2,3-cd)pyrene	< 9.4	24	< 9.6	< 9.8	170	< 9.9	< 10	< 10	16	< 9.8
Naphthalene	< 9.4	< 10	< 9.6	11	13	< 9.9	< 10	48	< 10	< 9.8
Phenanthrene	< 9.4	28	< 9.6	< 9.8	120	24	< 10	< 10	< 10	< 9.8
Pyrene	< 9.4	< 10	< 9.6	10	240	88	< 10	16	20	< 9.8

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-279	B-280	B-280	B-280	B-281	B-281	B-281	B-282	B-282	B-282
Sample Date	07/09/2004	07/13/2004	07/13/2004	07/13/2004	07/09/2004	07/09/2004	07/09/2004	07/08/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	10	0.5	5	10	0.5	2.5	10	0.5	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	3.4	4.3	5.4	2.8	4.8	2.9	10.1	25.9	6.2	6.7
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	26.1	13.5	22.2	20.3	17.4	10.4	22.4	24	20.8	15.9
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	28.2	44.8	32.5	21.3	19.9	27	27.9	31.7	15	20.7
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 23	< 20	69.7	< 22	< 20	< 24	< 21	< 20	< 24	< 24
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-279	B-280	B-280	B-280	B-281	B-281	B-281	B-282	B-282	B-282
Sample Date	07/09/2004	07/13/2004	07/13/2004	07/13/2004	07/09/2004	07/09/2004	07/09/2004	07/08/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	10	0.5	5	10	0.5	2.5	10	0.5	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 17	< 13	43	< 13	22	23	< 16	290	160	< 15
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	< 67	< 50	110	< 50	55	< 60	< 63	390	< 58	< 59
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-279	B-280	B-280	B-280	B-281	B-281	B-281	B-282	B-282	B-282
Sample Date	07/09/2004	07/13/2004	07/13/2004	07/13/2004	07/09/2004	07/09/2004	07/09/2004	07/08/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	10	0.5	5	10	0.5	2.5	10	0.5	5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-279	B-280	B-280	B-280	B-281	B-281	B-281	B-282	B-282	B-282
Sample Date	07/09/2004	07/13/2004	07/13/2004	07/13/2004	07/09/2004	07/09/2004	07/09/2004	07/08/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	10	0.5	5	10	0.5	2.5	10	0.5	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 50	< 50	< 50	57	< 50	< 50	< 500	140	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
3,4,5-Trichlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 500	< 50	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 10	43	< 10	37	10	< 9.9	< 100	< 10	< 10
Dibenzofuran	< 10	< 10	< 10	< 10	16	38	< 9.9	< 100	< 10	< 10
Fluoranthene	< 10	40	150	< 10	130	150	< 9.9	240	210	10
Pentachlorophenol	< 50	200	280	< 50	1300	1400	270	6100	3600	86
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 10	< 10	< 10	14	63	< 9.9	< 100	< 10	< 10
Acenaphthylene	< 10	16	70	< 10	34	17	< 9.9	130	< 10	< 10
Anthracene	< 10	32	100	< 10	110	59	< 9.9	360	12	< 10
Benzo(a)anthracene	< 10	19	120	< 10	46	37	< 9.9	120	24	< 10
Benzo(a)pyrene	< 10	34	150	< 10	43	25	< 9.9	< 100	< 10	< 10
Benzo(b)fluoranthene	< 10	86	420	< 10	160	120	< 9.9	< 100	26	< 10
Benzo(ghi)perylene	< 10	50	150	< 10	210	61	12	< 100	< 10	< 10
Benzo(k)fluoranthene	< 10	20	120	< 10	42	30	< 9.9	< 100	< 10	< 10
Chrysene	< 10	38	250	< 10	88	63	< 9.9	< 100	41	< 10
Dibenzo(a,h)anthracene	< 10	< 10	35	< 10	25	13	< 9.9	< 100	< 10	< 10
Fluorene	< 10	< 10	< 10	< 10	11	26	< 9.9	< 100	< 10	< 10
Indeno(1,2,3-cd)pyrene	< 10	50	200	< 10	210	86	< 9.9	< 100	< 10	< 10
Naphthalene	< 10	26	< 10	< 10	63	320	< 9.9	< 100	< 10	< 10
Phenanthrene	< 10	27	19	< 10	62	84	< 9.9	< 100	17	< 10
Pyrene	< 10	47	190	< 10	110	130	< 9.9	< 100	200	< 10

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-283	B-283	B-283	B-284	B-284	B-284	B-284	B-285	B-285	B-285
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	0.5	2.5	5	0.5	2.5	5	10	0.5	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	1.3	< 1.1	1.4	17.5	3.6	4.8	4.2	37.2	5.6	2.9
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	11.1	12.5	15.1	32.2	19.2	26.7	26.6	50.3	31.6	17.2
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	10.1	19.5	20.9	44.2	22.9	36.1	31	38.8	29.9	21.8
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 21	< 21	< 23	< 21	< 22	< 22	< 23	< 20	< 23	< 21
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-283	B-283	B-283	B-284	B-284	B-284	B-284	B-285	B-285	B-285
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	0.5	2.5	5	0.5	2.5	5	10	0.5	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 13	92	< 13	330	36	< 13	< 13	140	200	< 13
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	< 50	< 50	< 49	230	< 50	< 50	< 50	580	600	< 50
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-283	B-283	B-283	B-284	B-284	B-284	B-284	B-285	B-285	B-285
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	0.5	2.5	5	0.5	2.5	5	10	0.5	5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-283	B-283	B-283	B-284	B-284	B-284	B-284	B-285	B-285	B-285
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004
Sample Depth (feet bgs)	0.5	2.5	5	0.5	2.5	5	10	0.5	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 50	< 50	3500	230	< 50	< 50	< 1000	230	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	85	< 50
2,3,5-Trichlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	< 50	< 50
3,4,5-Trichlorophenol	< 50	< 50	< 50	< 500	< 51	< 50	< 50	< 1000	< 50	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 9.9	< 10	< 10	< 100	< 11	< 10	< 10	< 200	20	< 10
Dibenzofuran	< 9.9	< 10	< 10	< 100	< 11	< 10	< 10	< 200	140	< 10
Fluoranthene	16	19	< 10	880	120	< 10	< 10	760	460	< 10
Pentachlorophenol	< 50	350	< 50	110000	6800	< 50	< 50	8900	3900	< 50
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 9.9	< 10	< 10	< 100	< 11	< 10	< 10	< 200	130	< 10
Acenaphthylene	< 9.9	< 10	< 10	< 100	< 11	< 10	< 10	220	25	< 10
Anthracene	< 9.9	< 10	< 10	< 100	19	< 10	< 10	350	81	< 10
Benzo(a)anthracene	< 9.9	< 10	< 10	140	22	< 10	< 10	370	82	< 10
Benzo(a)pyrene	< 9.9	< 10	< 10	< 100	18	< 10	< 10	570	91	< 10
Benzo(b)fluoranthene	< 9.9	< 10	< 10	280	71	< 10	< 10	1700	210	< 10
Benzo(ghi)perylene	< 9.9	< 10	< 10	< 100	13	< 10	< 10	610	66	< 10
Benzo(k)fluoranthene	< 9.9	< 10	< 10	< 100	20	< 10	< 10	460	53	< 10
Chrysene	< 9.9	10	< 10	320	58	< 10	< 10	1000	150	< 10
Dibenzo(a,h)anthracene	< 9.9	< 10	< 10	< 100	< 11	< 10	< 10	< 200	15	< 10
Fluorene	< 9.9	< 10	< 10	< 100	< 11	< 10	< 10	< 200	85	< 10
Indeno(1,2,3-cd)pyrene	< 9.9	< 10	< 10	< 100	29	< 10	< 10	860	76	< 10
Naphthalene	< 9.9	< 10	< 10	220	13	< 10	< 10	< 200	85	< 10
Phenanthrene	22	12	< 10	490	49	< 10	< 10	< 200	370	< 10
Pyrene	14	19	< 10	710	100	< 10	< 10	790	400	< 10

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-286	B-286	B-286	B-286	B-287	B-287	B-287	B-287	B-288	B-288
Sample Date	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	8.4	4.4	3.5	8.2	7.7	1.9	3.2	4.5	13.3	5.7
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	37.8	20	18	19.5	46.1	16.2	29.6	32.6	21.4	13.1
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	22.9	22.1	12	19.5	27.4	18.7	26.9	27.3	26.6	18.4
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 20	23.9	< 24	< 24	< 21	< 22	< 23	< 21	< 21	< 23
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-286	B-286	B-286	B-286	B-287	B-287	B-287	B-287	B-288	B-288
Sample Date	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	5100	24	< 16	< 15	60	< 13	19	< 13	67	< 15
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	3900	< 57	< 61	< 60	140	< 50	< 50	< 50	260	< 58
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-286	B-286	B-286	B-286	B-287	B-287	B-287	B-287	B-288	B-288
Sample Date	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-286	B-286	B-286	B-286	B-287	B-287	B-287	B-287	B-288	B-288
Sample Date	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/08/2004	07/08/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	6300	< 50	< 50	< 50	< 260	< 49	< 50	< 49	52	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
2,3,5-Trichlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
2,3,6-Trichlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
2,4,5-Trichlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
2,4,6-Trichlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
3,4,5-Trichlorophenol	< 500	< 50	< 50	< 50	< 260	< 49	< 50	< 49	< 50	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	130	< 10	< 10	< 10	< 51	< 9.8	13	< 9.7	49	< 10
Dibenzofuran	< 100	24	< 10	< 10	< 51	< 9.8	< 10	< 9.7	24	< 10
Fluoranthene	8900	92	< 10	< 10	270	29	64	< 9.7	180	< 10
Pentachlorophenol	110000	1100	< 50	< 50	950	160	250	95	1100	< 50
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 100	< 10	< 10	< 10	< 51	< 9.8	< 10	< 9.7	< 10	< 10
Acenaphthylene	< 100	< 10	< 10	< 10	95	14	17	< 9.7	160	< 10
Anthracene	240	< 10	< 10	< 10	210	23	34	< 9.7	320	< 10
Benzo(a)anthracene	490	12	< 10	< 10	100	17	45	< 9.7	120	< 10
Benzo(a)pyrene	150	18	< 10	< 10	180	26	57	< 9.7	89	< 10
Benzo(b)fluoranthene	1500	30	< 10	< 10	690	96	180	< 9.7	320	< 10
Benzo(ghi)perylene	< 100	< 10	< 10	< 10	290	33	47	< 9.7	280	11
Benzo(k)fluoranthene	480	< 10	< 10	< 10	160	22	53	< 9.7	76	< 10
Chrysene	1500	33	< 10	< 10	310	82	130	< 9.7	200	< 10
Dibenzo(a,h)anthracene	< 100	< 10	< 10	< 10	< 51	< 9.8	11	< 9.7	48	< 10
Fluorene	< 100	< 10	< 10	< 10	< 51	< 9.8	< 10	< 9.7	13	< 10
Indeno(1,2,3-cd)pyrene	260	26	< 10	< 10	370	41	66	< 9.7	270	< 10
Naphthalene	< 100	71	< 10	< 10	< 51	< 9.8	< 10	< 9.7	120	< 10
Phenanthrene	530	64	< 10	< 10	130	< 9.8	20	< 9.7	72	< 10
Pyrene	7700	420	< 10	< 10	250	33	65	< 9.7	220	< 10

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-289	B-289	B-289	B-289	B-290	B-290	B-290	B-290	B-291	B-291
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	2.5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	4.3	2.4	1.8	4.2	13.8	28.9	5.6	2.8	33.5	10.4
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	9.3	22	16.4	49.4	21.1	134	33.8	28.7	256	41.5
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	9.8	22.6	17.8	28.3	50.6	51.9	32.5	27.1	58.5	38.2
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 21	< 23	< 23	< 22	< 20	< 22	84.4	< 21	< 21	27.2
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-289	B-289	B-289	B-289	B-290	B-290	B-290	B-290	B-291	B-291
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	2.5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	140	< 13	< 13	< 15	89	650	88	< 13	97	450
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	240	< 49	< 49	< 59	240	640	72	< 50	190	1000
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-289	B-289	B-289	B-289	B-290	B-290	B-290	B-290	B-291	B-291
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	2.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-289	B-289	B-289	B-289	B-290	B-290	B-290	B-290	B-291	B-291
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/13/2004	07/13/2004	07/13/2004	07/13/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	2.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
2,3,5,6-Tetrachlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
2,3,5-Trichlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
2,3,6-Trichlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
2,4,5-Trichlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
2,4,6-Trichlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
3,4,5-Trichlorophenol	< 46	< 500	< 50	< 50	< 500	< 500	< 500	< 50	< 500	< 500
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 9.1	13000	140	< 10	< 100	300	< 100	< 10	< 100	< 100
Dibenzofuran	< 9.1	1400	19	< 10	< 100	240	< 100	< 10	< 100	< 100
Fluoranthene	< 9.1	10000	57	13	360	2100	320	< 10	220	1400
Pentachlorophenol	< 46	< 500	< 50	< 50	690	7200	< 500	< 50	730	12000
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 9.1	< 99	< 10	< 10	< 100	360	210	< 10	< 100	110
Acenaphthylene	< 9.1	< 99	< 10	< 10	200	< 100	< 100	< 10	< 100	< 100
Anthracene	< 9.1	57000	510	< 10	330	940	< 100	< 10	200	250
Benzo(a)anthracene	< 9.1	2400	22	< 10	180	480	140	< 10	120	260
Benzo(a)pyrene	< 9.1	810	10	< 10	140	430	170	< 10	250	260
Benzo(b)fluoranthene	< 9.1	1300	19	< 10	740	2000	220	< 10	750	740
Benzo(ghi)perylene	< 9.1	110	17	< 10	530	330	< 100	< 10	300	320
Benzo(k)fluoranthene	< 9.1	520	< 10	< 10	170	500	< 100	< 10	170	210
Chrysene	< 9.1	5000	46	< 10	360	1100	220	< 10	310	560
Dibenzo(a,h)anthracene	< 9.1	< 99	< 10	< 10	< 100	< 100	< 100	< 10	< 100	< 100
Fluorene	< 9.1	5600	54	11	< 100	440	< 100	< 10	< 100	100
Indeno(1,2,3-cd)pyrene	< 9.1	260	< 10	< 10	550	470	110	< 10	420	390
Naphthalene	< 9.1	410	< 10	< 10	< 100	370	< 100	< 10	< 100	< 100
Phenanthrene	< 9.1	12000	100	< 10	110	1100	120	< 10	< 100	430
Pyrene	< 9.1	9200	53	< 10	310	2200	340	< 10	380	1400

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-291	B-291	B-292	B-292	B-292	B-292	B-293	B-293	B-293	B-293
Sample Date	07/12/2004	07/12/2004	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	5	10	0.5	2.5	5	10	0.5	2.5	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	5.2	2.6	14.9	4.4	4.3	7.6	12.8	17.2	2.2	4.5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	27.2	26.8	31.6	19.3	19.2	16.4	14.4	42	18.1	29.6
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	25.6	27.9	26.8	15.1	12.8	19.4	39.7	31.3	18.3	30.9
Iron	---	---	---	---	---	---	---	---	---	---
Lead	23	< 23	< 21	< 24	< 24	< 21	< 21	< 22	< 24	< 23
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-291	B-291	B-292	B-292	B-292	B-292	B-293	B-293	B-293	B-293
Sample Date	07/12/2004	07/12/2004	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	5	10	0.5	2.5	5	10	0.5	2.5	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	58	42	230	< 16	67	< 16	37	840	< 13	< 13
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	94	200	190	< 62	< 59	< 63	82	280	< 50	< 50
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-291	B-291	B-292	B-292	B-292	B-292	B-293	B-293	B-293	B-293
Sample Date	07/12/2004	07/12/2004	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	5	10	0.5	2.5	5	10	0.5	2.5	5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-291	B-291	B-292	B-292	B-292	B-292	B-293	B-293	B-293	B-293
Sample Date	07/12/2004	07/12/2004	07/08/2004	07/08/2004	07/08/2004	07/08/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004
Sample Depth (feet bgs)	5	10	0.5	2.5	5	10	0.5	2.5	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 51	630	< 50	< 50	< 50	< 48	3300	< 50	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
2,3,5-Trichlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
2,3,6-Trichlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
2,4,5-Trichlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
2,4,6-Trichlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
3,4,5-Trichlorophenol	< 50	< 51	< 510	< 50	< 50	< 50	< 48	< 500	< 50	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 11	< 110	< 10	< 10	< 10	34	740	< 9.9	< 10
Dibenzofuran	< 10	< 11	< 110	< 10	< 10	< 10	12	260	< 9.9	< 10
Fluoranthene	32	< 11	720	< 10	< 10	< 10	600	14000	< 9.9	< 10
Pentachlorophenol	110	< 51	16000	< 50	< 50	< 50	370	130000	76	< 50
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 11	< 110	< 10	< 10	< 10	11	290	< 9.9	< 10
Acenaphthylene	< 10	< 11	140	< 10	< 10	< 10	65	< 100	< 9.9	< 10
Anthracene	< 10	< 11	340	< 10	< 10	< 10	240	2300	< 9.9	< 10
Benzo(a)anthracene	< 10	< 11	190	< 10	< 10	< 10	200	1400	< 9.9	< 10
Benzo(a)pyrene	< 10	< 11	150	18	< 10	< 10	130	450	< 9.9	< 10
Benzo(b)fluoranthene	17	< 11	770	< 10	< 10	< 10	250	1700	< 9.9	< 10
Benzo(ghi)perylene	10	< 11	< 110	< 10	< 10	< 10	270	250	< 9.9	< 10
Benzo(k)fluoranthene	< 10	< 11	180	< 10	< 10	< 10	100	580	< 9.9	< 10
Chrysene	16	< 11	390	< 10	< 10	< 10	270	3000	< 9.9	< 10
Dibenzo(a,h)anthracene	< 10	< 11	< 110	< 10	< 10	< 10	30	< 100	< 9.9	< 10
Fluorene	< 10	< 11	< 110	< 10	< 10	< 10	19	480	< 9.9	< 10
Indeno(1,2,3-cd)pyrene	10	< 11	340	25	< 10	< 10	200	340	< 9.9	< 10
Naphthalene	< 10	< 11	< 110	< 10	< 10	< 10	< 9.6	1000	< 9.9	< 10
Phenanthrene	18	< 11	230	< 10	< 10	< 10	230	1900	< 9.9	< 10
Pyrene	37	< 11	1000	53	< 10	< 10	510	11000	< 9.9	< 10

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-294	B-294	B-294	B-294	B-295	B-295	B-295	B-295	B-296	B-296
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	1	8.9	29.4	3.1	13.8	2.5	3.2	3.2	38.7	7.5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	10.1	33.3	35.7	27.2	32.2	23.8	22.4	23.5	95.9	15
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	19.4	36.5	32.2	32.2	56.3	25.1	22.2	29	115	25.5
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 20	< 22	28.2	< 23	< 21	< 22	< 21	< 22	< 21	63
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-294	B-294	B-294	B-294	B-295	B-295	B-295	B-295	B-296	B-296
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 13	36	330	< 13	310	64	17	< 13	110	41
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	< 51	< 50	500	< 51	160	< 51	< 50	< 50	130	< 61
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-294	B-294	B-294	B-294	B-295	B-295	B-295	B-295	B-296	B-296
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-294	B-294	B-294	B-294	B-295	B-295	B-295	B-295	B-296	B-296
Sample Date	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/12/2004	07/09/2004	07/09/2004
Sample Depth (feet bgs)	0.5	2.5	5	10	0.5	2.5	5	10	0.5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 500	< 48	< 49	< 510	58	< 50	< 49	< 500	680
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
2,3,5,6-Tetrachlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
2,3,5-Trichlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
2,3,6-Trichlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
2,4,5-Trichlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
2,4,6-Trichlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
3,4,5-Trichlorophenol	< 50	< 500	< 48	< 49	< 510	< 50	< 50	< 49	< 500	< 50
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	120	< 9.5	< 9.8	< 110	< 10	< 10	< 9.7	680	11
Dibenzofuran	< 10	120	< 9.5	< 9.8	< 110	< 10	< 10	< 9.7	< 100	400
Fluoranthene	20	6200	73	< 9.8	550	1300	12	< 9.7	6000	71
Pentachlorophenol	89	3300	240	< 49	4200	1700	< 50	< 49	11000	27000
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	380	< 9.5	< 9.8	< 110	24	< 10	< 9.7	< 100	690
Acenaphthylene	13	< 99	< 9.5	< 9.8	< 110	25	< 10	< 9.7	590	25
Anthracene	22	830	23	< 9.8	260	120	< 10	< 9.7	2200	57
Benzo(a)anthracene	12	830	37	< 9.8	210	210	< 10	< 9.7	2000	15
Benzo(a)pyrene	13	450	41	< 9.8	350	110	< 10	< 9.7	2100	10
Benzo(b)fluoranthene	79	1100	100	< 9.8	1500	290	< 10	< 9.7	7500	35
Benzo(ghi)perylene	30	240	26	< 9.8	420	94	< 10	< 9.7	1600	< 10
Benzo(k)fluoranthene	17	370	31	< 9.8	210	96	< 10	< 9.7	2300	< 10
Chrysene	37	1300	85	< 9.8	650	260	< 10	< 9.7	5900	44
Dibenzo(a,h)anthracene	< 10	< 99	< 9.5	< 9.8	< 110	19	< 10	< 9.7	420	< 10
Fluorene	< 10	240	< 9.5	< 9.8	< 110	16	< 10	< 9.7	< 100	270
Indeno(1,2,3-cd)pyrene	37	340	33	< 9.8	620	120	< 10	< 9.7	2500	12
Naphthalene	< 10	< 99	< 9.5	< 9.8	< 110	< 10	< 10	< 9.7	< 100	4400
Phenanthrene	< 10	1400	17	< 9.8	< 110	160	< 10	< 9.7	920	290
Pyrene	20	6800	87	< 9.8	630	1200	< 10	< 9.7	5300	59

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-296	B-296	B-297	B-297	B-297	B-297	B-299	B-299	B-299	B-299
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004
Sample Depth (feet bgs)	2.5	5	1	2.5	5	10	0.5	2.5	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	6.3	5	27.6	8.1	7.9	---	---	11.2	---	15.5
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	19.9	31.5	60.9	23.5	21.7	---	---	22.3	---	63.2
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	16.1	22.5	70.3	17.5	19.8	---	---	20.5	---	33.7
Iron	---	---	---	---	---	---	---	---	---	---
Lead	< 23	33.8	< 21	< 24	< 25	---	---	12.9	---	16.1
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-296	B-296	B-297	B-297	B-297	B-297	B-299	B-299	B-299	B-299
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004
Sample Depth (feet bgs)	2.5	5	1	2.5	5	10	0.5	2.5	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	28	1800	560	< 16	< 16	---	---	150	---	560
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	< 58	590	890	< 61	< 62	---	---	190	---	120
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-296	B-296	B-297	B-297	B-297	B-297	B-299	B-299	B-299	B-299
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004
Sample Depth (feet bgs)	2.5	5	1	2.5	5	10	0.5	2.5	5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-296	B-296	B-297	B-297	B-297	B-297	B-299	B-299	B-299	B-299
Sample Date	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/09/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004
Sample Depth (feet bgs)	2.5	5	1	2.5	5	10	0.5	2.5	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	1400	17000	< 500	< 50	< 50	< 50	< 50	---	< 50	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 50	---	< 50	---
2,3,5,6-Tetrachlorophenol	60	200	< 500	< 50	< 50	< 50	< 50	---	< 50	---
2,3,5-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 50	---	< 50	---
2,3,6-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 50	---	< 50	---
2,4,5-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 50	---	< 50	---
2,4,6-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 50	---	< 50	---
3,4,5-Trichlorophenol	< 50	< 50	< 500	< 50	< 50	< 50	< 50	---	< 50	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 200	170	< 10	< 10	< 10	10	---	< 10	---
Dibenzofuran	22	2700	160	< 10	< 10	< 10	< 10	---	< 10	---
Fluoranthene	< 10	590	4300	230	12	< 10	39	---	31	---
Pentachlorophenol	120000	620000	7800	200	< 50	< 50	120	---	91	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	3100	210	< 10	< 10	< 10	< 10	---	< 10	---
Acenaphthylene	< 10	130	250	< 10	< 10	< 10	< 10	---	< 10	---
Anthracene	< 10	270	1300	30	< 10	< 10	23	---	25	---
Benzo(a)anthracene	< 10	140	1300	36	< 10	< 10	16	---	< 10	---
Benzo(a)pyrene	< 10	23	110	15	< 10	< 10	33	---	14	---
Benzo(b)fluoranthene	< 10	54	1900	130	< 10	< 10	83	---	33	---
Benzo(ghi)perylene	< 10	16	< 100	< 10	< 10	< 10	41	---	11	---
Benzo(k)fluoranthene	< 10	17	560	22	< 10	< 10	21	---	< 10	---
Chrysene	< 10	220	1700	100	< 10	< 10	44	---	22	---
Dibenzo(a,h)anthracene	< 10	< 9.9	190	< 10	< 10	< 10	< 10	---	< 10	---
Fluorene	< 10	1800	450	< 10	< 10	< 10	< 10	---	< 10	---
Indeno(1,2,3-cd)pyrene	< 10	11	200	30	< 10	< 10	51	---	14	---
Naphthalene	1900	110000	< 100	< 10	< 10	< 10	< 10	---	< 10	---
Phenanthrene	< 10	2600	2500	89	< 10	< 10	< 10	---	< 10	---
Pyrene	< 10	460	1300	180	13	< 10	36	---	31	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-300	B-300	B-300	B-301	B-301	B-301	B-307	B-307	B-307	BH-27
Sample Date	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	02/26/2009	02/26/2009	02/26/2009	04/02/1996
Sample Depth (feet bgs)	0.5	2.5	10	0.5	2.5	5	0.5	2.5	20	1
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	2.3	6.9	5.4	61.2	25.9	3	9.12	3830	1.89	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	11	18.9	25.4	125	40.5	35.3	15.4	14.8	9.11	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	19.3	15.7	25.5	119	29.9	15.3	24.6	15.3	12.6	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	4.9	39	11.6	13.4	31.1	8.7	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	46.8	60.1	33.2	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	9600	32	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	1300	6	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	100	< 0.98	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	41	< 0.91	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	< 1900	< 3.2	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	460	2	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	120	< 0.91	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	99	< 0.91	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	25	< 0.91	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	< 20	< 0.91	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	44	< 0.91	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	72	< 0.91	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	120	< 0.91	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	< 4	< 0.18	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	12	< 0.18	---
OCDD	---	---	---	---	---	---	---	110000	430	---
OCDF	---	---	---	---	---	---	---	1700	31	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-300	B-300	B-300	B-301	B-301	B-301	B-307	B-307	B-307	BH-27
Sample Date	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	02/26/2009	02/26/2009	02/26/2009	04/02/1996
Sample Depth (feet bgs)	0.5	2.5	10	0.5	2.5	5	0.5	2.5	20	1
Total HpCDDs	---	---	---	---	---	---	---	16000	61	---
Total HpCDFs	---	---	---	---	---	---	---	4100	29	---
Total HxCDDs	---	---	---	---	---	---	---	1500	5.9	---
Total HxCDFs	---	---	---	---	---	---	---	3100	6.5	---
Total PeCDDs	---	---	---	---	---	---	---	47	< 0.91	---
Total PeCDFs	---	---	---	---	---	---	---	1100	< 0.91	---
Total TCDDs	---	---	---	---	---	---	---	79	< 0.18	---
Total TCDFs	---	---	---	---	---	---	---	61	< 0.18	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 14	29	< 17	730	170	< 15	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	< 54	84	< 65	1800	360	< 57	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-300	B-300	B-300	B-301	B-301	B-301	B-307	B-307	B-307	BH-27
Sample Date	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	02/26/2009	02/26/2009	02/26/2009	04/02/1996
Sample Depth (feet bgs)	0.5	2.5	10	0.5	2.5	5	0.5	2.5	20	1
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-300	B-300	B-300	B-301	B-301	B-301	B-307	B-307	B-307	BH-27
Sample Date	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	07/21/2004	02/26/2009	02/26/2009	02/26/2009	04/02/1996
Sample Depth (feet bgs)	0.5	2.5	10	0.5	2.5	5	0.5	2.5	20	1
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 51	< 50	< 2500	67	< 50	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 51	< 50	< 2500	< 50	< 50	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 50	< 51	< 50	< 2500	54	< 50	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 51	< 50	< 2500	< 50	< 50	---	---	---	---
2,3,6-Trichlorophenol	< 50	< 51	< 50	< 2500	< 50	< 50	---	---	---	---
2,4,5-Trichlorophenol	< 50	< 51	< 50	< 2500	< 50	< 50	---	---	---	---
2,4,6-Trichlorophenol	< 50	< 51	< 50	< 2500	< 50	< 50	---	---	---	---
3,4,5-Trichlorophenol	< 50	< 51	< 50	< 2500	< 50	< 50	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	110
Carbazole	< 10	12	< 10	1000	13	< 10	---	---	---	---
Dibenzofuran	< 10	< 11	< 10	< 500	< 10	< 10	---	---	---	---
Fluoranthene	32	40	< 10	2300	100	< 10	72.6	17.8	< 7.93	350
Pentachlorophenol	120	130	< 50	15000	1100	< 50	885	909	< 396	190
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	54	< 11	< 10	< 500	< 10	< 10	< 7.12	< 7.43	< 7.93	---
Acenaphthylene	< 10	14	< 10	1900	11	< 10	33.4	< 7.43	< 7.93	---
Anthracene	37	38	< 10	3500	42	< 10	117	11.1	< 7.93	---
Benzo(a)anthracene	< 10	25	< 10	1600	28	< 10	33.4	< 7.43	< 7.93	190
Benzo(a)pyrene	21	31	< 10	3600	43	< 10	94.6	20	< 7.93	1000
Benzo(b)fluoranthene	33	81	< 10	14000	130	< 10	228	32.7	< 7.93	420
Benzo(ghi)perylene	15	74	< 10	1100	64	< 10	147	20	< 7.93	290
Benzo(k)fluoranthene	< 10	24	< 10	2400	24	< 10	47	11.1	< 7.93	420
Chrysene	20	46	< 10	4600	48	< 10	60.5	14.8	< 7.93	620
Dibenzo(a,h)anthracene	< 10	< 11	< 10	1100	12	< 10	65.5	< 7.43	< 7.93	100
Fluorene	< 10	< 11	< 10	< 500	< 10	< 10	< 7.12	< 7.43	< 7.93	---
Indeno(1,2,3-cd)pyrene	16	67	< 10	6600	77	< 10	126	18.6	< 7.93	340
Naphthalene	57	< 11	< 10	< 500	< 10	< 10	< 7.12	< 7.43	< 7.93	---
Phenanthrene	< 10	< 11	< 10	< 500	22	< 10	24.2	8.17	< 7.93	36
Pyrene	14	38	< 10	2100	130	< 10	109	28.2	< 7.93	490

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	BH-27	BH-27	BH-28	BH-28	BH-28	BH-29	BH-29	MW-19	MW-19	MW-20S
Sample Date	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	6	26	0.5	6	21	6	11	5	20	5
Metals (mg/kg)										
Aluminum	---	11300	---	12000	---	13500	---	---	---	---
Antimony	---	< 15	---	< 13.2	---	< 13.5	---	---	---	---
Arsenic	---	< 1.3	---	3	---	9.3	---	5.2	2.8	2.8
Barium	---	147	---	134	---	160	---	---	---	---
Beryllium	---	1	---	1.1	---	1.2	---	---	---	---
Cadmium	---	< 0.8	---	< 0.7	---	< 0.72	---	---	---	---
Calcium	---	5250	---	4480	---	4700	---	---	---	---
Chromium	---	15.6	---	16	---	19.2	---	11.2	13.1	15.1
Cobalt	---	15.5	---	16.2	---	16.6	---	---	---	---
Copper	---	27.5	---	22.7	---	23.4	---	7.4	15.2	13.4
Iron	---	19800	---	21000	---	25000	---	---	---	---
Lead	---	6.9	---	30.1	---	7.2	---	---	---	---
Magnesium	---	6040	---	4740	---	5490	---	---	---	---
Manganese	---	198	---	217	---	377	---	---	---	---
Mercury	---	< 0.14	---	< 0.13	---	< 0.13	---	---	---	---
Nickel	---	23.1	---	21.6	---	21.3	---	---	---	---
Potassium	---	1200	---	948	---	1030	---	---	---	---
Selenium	---	< 0.57	---	0.62	---	< 0.52	---	---	---	---
Silver	---	< 2.4	---	< 2.1	---	< 2.1	---	---	---	---
Sodium	---	292	---	282	---	544	---	---	---	---
Thallium	---	< 0.28	---	< 0.25	---	< 0.26	---	---	---	---
Vanadium	---	48.6	---	45.6	---	57.7	---	---	---	---
Zinc	---	55.5	---	54.7	---	55	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	BH-27	BH-27	BH-28	BH-28	BH-28	BH-29	BH-29	MW-19	MW-19	MW-20S
Sample Date	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	6	26	0.5	6	21	6	11	5	20	5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	< 30	---	32	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	BH-27	BH-27	BH-28	BH-28	BH-28	BH-29	BH-29	MW-19	MW-19	MW-20S
Sample Date	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	6	26	0.5	6	21	6	11	5	20	5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	8.4	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	4.1	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	BH-27	BH-27	BH-28	BH-28	BH-28	BH-29	BH-29	MW-19	MW-19	MW-20S
Sample Date	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	6	26	0.5	6	21	6	11	5	20	5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	< 380	---	< 350	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Fluoranthene	220	---	260	---	---	---	---	---	---	---
Pentachlorophenol	340	---	270	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	< 140	---	230	---	---	---	---	---	---	---
Benzo(a)pyrene	170	---	320	---	---	---	---	---	---	---
Benzo(b)fluoranthene	160	---	780	---	---	---	---	---	---	---
Benzo(ghi)perylene	130	---	530	---	---	---	---	---	---	---
Benzo(k)fluoranthene	120	---	410	---	---	---	---	---	---	---
Chrysene	< 380	---	600	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	51	---	160	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	120	---	550	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	< 380	---	< 350	---	---	---	---	---	---	---
Pyrene	390	---	390	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-20S	MW-28S	MW-28S	MW-28S	MW-29	MW-29	MW-29	MW-29	MW-45D	MW-45D
Sample Date	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	07/20/2004	07/20/2004
Sample Depth (feet bgs)	20	0.5	6	11	8.5	11	16	31	0.5	2.5
Metals (mg/kg)										
Aluminum	---	---	15500	---	13700	14200	16200	---	---	---
Antimony	---	---	< 11.9	---	< 14	< 13.6	< 14.5	---	---	---
Arsenic	3.1	---	3.9	---	5.3	5.9	6.4	---	17.4	1.9
Barium	---	---	235	---	182	180	212	---	---	---
Beryllium	---	---	1.4	---	1.6	1.5	1.7	---	---	---
Cadmium	---	---	< 0.63	---	< 0.75	< 0.73	< 0.77	---	---	---
Calcium	---	---	3480	---	5800	5800	6780	---	---	---
Chromium	15.5	---	10.8	---	20.3	18.7	22.8	---	35.9	19
Cobalt	---	---	21.7	---	19.6	18.6	22.8	---	---	---
Copper	17.5	---	20.6	---	26.3	24.9	31.4	---	62	16.9
Iron	---	---	28900	---	25600	25800	29900	---	---	---
Lead	---	---	7.6	---	27.1	28.9	16.9	---	9.1	7.9
Magnesium	---	---	3040	---	6380	6380	7470	---	---	---
Manganese	---	---	584	---	546	492	737	---	---	---
Mercury	---	---	< 0.11	---	< 0.13	< 0.13	< 0.14	---	---	---
Nickel	---	---	17.6	---	27.5	26.6	30.3	---	---	---
Potassium	---	---	< 535	---	905	990	1360	---	---	---
Selenium	---	---	< 0.45	---	< 0.53	< 0.52	< 0.55	---	---	---
Silver	---	---	< 1.9	---	< 2.2	< 2.2	2.4	---	---	---
Sodium	---	---	< 142	---	233	200	282	---	---	---
Thallium	---	---	< 0.39	---	< 0.27	< 0.26	< 0.28	---	---	---
Vanadium	---	---	71.3	---	58	55.3	65.4	---	---	---
Zinc	---	---	58.5	---	65.9	75.1	78.2	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-20S	MW-28S	MW-28S	MW-28S	MW-29	MW-29	MW-29	MW-29	MW-45D	MW-45D
Sample Date	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	07/20/2004	07/20/2004
Sample Depth (feet bgs)	20	0.5	6	11	8.5	11	16	31	0.5	2.5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	130	< 15
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	< 24	---	---	---	< 27	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	520	< 58
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-20S	MW-28S	MW-28S	MW-28S	MW-29	MW-29	MW-29	MW-29	MW-45D	MW-45D
Sample Date	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	07/20/2004	07/20/2004
Sample Depth (feet bgs)	20	0.5	6	11	8.5	11	16	31	0.5	2.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	< 6.8	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	1.6	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-20S	MW-28S	MW-28S	MW-28S	MW-29	MW-29	MW-29	MW-29	MW-45D	MW-45D
Sample Date	05/03/1993	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	04/02/1996	07/20/2004	07/20/2004
Sample Depth (feet bgs)	20	0.5	6	11	8.5	11	16	31	0.5	2.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	110	< 51
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	< 51	< 51
Bis(2-ethylhexyl)phthalate	---	160	690	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	110	< 11
Dibenzofuran	---	---	---	---	---	---	---	---	< 11	< 11
Fluoranthene	---	1200	93	---	---	---	---	---	310	< 11
Pentachlorophenol	---	2000	3000	---	---	---	---	---	1900	< 51
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	< 380	---	---	---	---	---	< 11	< 11
Acenaphthylene	---	---	---	---	---	---	---	---	200	< 11
Anthracene	---	---	---	---	---	---	---	---	260	< 11
Benzo(a)anthracene	---	1800	< 140	---	---	---	---	---	220	< 11
Benzo(a)pyrene	---	1600	< 140	---	---	---	---	---	260	< 11
Benzo(b)fluoranthene	---	2400	70	---	---	---	---	---	790	< 11
Benzo(ghi)perylene	---	1500	< 380	---	---	---	---	---	490	< 11
Benzo(k)fluoranthene	---	1700	< 240	---	---	---	---	---	220	< 11
Chrysene	---	2000	52	---	---	---	---	---	410	< 11
Dibenzo(a,h)anthracene	---	710	< 200	---	---	---	---	---	74	< 11
Fluorene	---	---	---	---	---	---	---	---	16	< 11
Indeno(1,2,3-cd)pyrene	---	1600	< 180	---	---	---	---	---	510	< 11
Naphthalene	---	---	---	---	---	---	---	---	< 11	< 11
Phenanthrene	---	230	66	---	---	---	---	---	69	< 11
Pyrene	---	2200	86	---	---	---	---	---	370	< 11

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-45D	MW-45D	MW-9S	MW-9S	MW-9S	SPY-01A	SPY-01A	SPY-01B	SPY-01C	SPY-01C
Sample Date	07/20/2004	07/20/2004	07/14/2004	07/14/2004	07/14/2004	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	5	10	2.5	5	10	5	10	10	1	5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	1.8	5.3	9.3	8.2	4.7	3.1	10.9	11.2	27.9	2.3
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	18.1	26	31.5	30.5	23.1	21.2	23.3	31.5	75.4	20.3
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	16.4	27.5	21.9	20	22.6	19.8	13	21.2	77	20.7
Iron	---	---	---	---	---	---	---	---	---	---
Lead	6.7	10.3	< 24	< 24	< 21	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	48.7	55.5	73.5	70.5	50.2
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-45D	MW-45D	MW-9S	MW-9S	MW-9S	SPY-01A	SPY-01A	SPY-01B	SPY-01C	SPY-01C
Sample Date	07/20/2004	07/20/2004	07/14/2004	07/14/2004	07/14/2004	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	5	10	2.5	5	10	5	10	10	1	5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 15	< 17	4500	78	< 13	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	62	< 66	540	56	< 51	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-45D	MW-45D	MW-9S	MW-9S	MW-9S	SPY-01A	SPY-01A	SPY-01B	SPY-01C	SPY-01C
Sample Date	07/20/2004	07/20/2004	07/14/2004	07/14/2004	07/14/2004	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	5	10	2.5	5	10	5	10	10	1	5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	MW-45D	MW-45D	MW-9S	MW-9S	MW-9S	SPY-01A	SPY-01A	SPY-01B	SPY-01C	SPY-01C
Sample Date	07/20/2004	07/20/2004	07/14/2004	07/14/2004	07/14/2004	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	5	10	2.5	5	10	5	10	10	1	5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 50	< 50	< 2500	220	< 50	< 62	< 130	4500	150	< 63
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 2500	< 50	< 50	< 62	< 130	< 650	< 55	< 63
2,3,5,6-Tetrachlorophenol	< 50	< 50	< 2500	100	< 50	< 62	< 130	< 650	< 55	< 63
2,3,5-Trichlorophenol	< 50	< 50	< 2500	< 50	< 50	< 62	< 130	< 650	< 55	< 63
2,3,6-Trichlorophenol	< 50	< 50	< 2500	< 50	< 50	< 62	< 130	< 650	< 55	< 63
2,4,5-Trichlorophenol	< 50	< 50	< 2500	66	< 50	< 62	< 130	< 650	< 55	< 63
2,4,6-Trichlorophenol	< 50	< 50	< 2500	< 50	< 50	< 62	< 130	< 650	< 55	< 63
3,4,5-Trichlorophenol	< 50	< 50	< 2500	64	< 50	< 62	< 130	< 650	< 55	< 63
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 10	2100	1100	110	< 13	< 26	< 130	350	< 13
Dibenzofuran	< 10	< 10	8200	2100	140	< 13	< 26	7900	< 11	< 13
Fluoranthene	< 10	< 10	17000	1700	280	68	< 26	26000	1300	< 13
Pentachlorophenol	< 50	< 50	4600	5600	89	< 62	< 130	130000	3600	< 63
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 10	13000	2500	78	< 13	< 26	12000	16	< 13
Acenaphthylene	< 10	< 10	< 500	30	< 10	< 13	< 26	300	170	< 13
Anthracene	< 10	< 10	7900	1500	190	< 13	< 26	4800	1100	< 13
Benzo(a)anthracene	< 10	< 10	2700	180	48	19	< 26	3500	1400	< 13
Benzo(a)pyrene	< 10	< 10	890	75	15	19	< 26	800	2000	< 13
Benzo(b)fluoranthene	< 10	< 10	1500	140	21	63	< 26	1100	3500	< 13
Benzo(ghi)perylene	< 10	< 10	200	31	< 10	16	< 26	210	1800	< 13
Benzo(k)fluoranthene	< 10	< 10	580	49	< 10	44	< 26	930	2300	< 13
Chrysene	< 10	< 10	2700	240	39	60	< 26	3300	8800	< 13
Dibenzo(a,h)anthracene	< 10	< 10	53	< 10	< 10	< 13	< 26	84	460	< 13
Fluorene	< 10	< 10	11000	2200	130	< 13	< 26	11000	22	< 13
Indeno(1,2,3-cd)pyrene	< 10	< 10	< 500	44	< 10	30	< 26	460	3600	13
Naphthalene	< 10	< 10	3500	860	15	< 13	< 26	170	< 11	< 13
Phenanthrene	< 10	< 10	33000	5600	240	< 13	< 26	38000	180	< 13
Pyrene	< 10	< 10	13000	1300	210	120	< 26	19000	1400	< 13

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01C	SPY-01D	SPY-01D	SPY-01D	SPY-01E	SPY-01E	SPY-01E	SPY-01F	SPY-01F	SPY-01F
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	10	1	5	10	1	5	10	1	5	10
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	6.8	12.9	2.3	5.6	17.3	8	7.9	12	1.4	8
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	17	34.6	20.7	20.3	17.6	20.7	19.6	19.1	14.1	20
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	11.6	23.9	21	11.2	21.8	16.6	12.2	30	19.9	12.2
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	60.5	111	59.9	60.3	43.1	80.8	58.9	66.6	43.1	56.4
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01C	SPY-01D	SPY-01D	SPY-01D	SPY-01E	SPY-01E	SPY-01E	SPY-01F	SPY-01F	SPY-01F
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	10	1	5	10	1	5	10	1	5	10
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01C	SPY-01D	SPY-01D	SPY-01D	SPY-01E	SPY-01E	SPY-01E	SPY-01F	SPY-01F	SPY-01F
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	10	1	5	10	1	5	10	1	5	10
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01C	SPY-01D	SPY-01D	SPY-01D	SPY-01E	SPY-01E	SPY-01E	SPY-01F	SPY-01F	SPY-01F
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	10	1	5	10	1	5	10	1	5	10
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 61	190	< 56	< 120	79	< 61	< 61	< 54	< 54	< 61
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
2,3,5,6-Tetrachlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
2,3,5-Trichlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
2,3,6-Trichlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
2,4,5-Trichlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
2,4,6-Trichlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
3,4,5-Trichlorophenol	< 61	< 55	< 56	< 120	< 54	< 61	< 61	< 54	< 54	< 61
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 13	65	< 12	< 24	130	< 13	< 13	50	< 11	< 13
Dibenzofuran	< 13	68	< 12	< 24	14	< 13	< 13	< 11	< 11	< 13
Fluoranthene	< 13	840	< 12	< 24	1800	< 13	< 13	490	< 11	< 13
Pentachlorophenol	< 61	4900	140	< 120	1700	< 61	< 61	660	< 54	< 61
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 13	77	< 12	< 24	32	< 13	< 13	< 11	< 11	< 13
Acenaphthylene	< 13	22	< 12	< 24	340	< 13	< 13	52	< 11	< 13
Anthracene	< 13	210	< 12	< 24	340	< 13	< 13	150	< 11	< 13
Benzo(a)anthracene	< 13	190	< 12	< 24	660	< 13	< 13	180	< 11	< 13
Benzo(a)pyrene	< 13	88	< 12	< 24	970	< 13	< 13	150	< 11	< 13
Benzo(b)fluoranthene	< 13	150	< 12	< 24	1700	29	< 13	440	< 11	< 13
Benzo(ghi)perylene	< 13	120	< 12	< 24	1400	15	< 13	390	< 11	< 13
Benzo(k)fluoranthene	< 13	130	< 12	< 24	1200	21	< 13	260	< 11	< 13
Chrysene	< 13	230	< 12	< 24	1100	18	< 13	350	< 11	< 13
Dibenzo(a,h)anthracene	< 13	26	< 12	< 24	240	< 13	< 13	70	< 11	< 13
Fluorene	< 13	96	< 12	< 24	26	< 13	< 13	< 11	< 11	< 13
Indeno(1,2,3-cd)pyrene	< 13	210	< 12	< 24	2500	26	< 13	680	< 11	< 13
Naphthalene	< 13	44	< 12	< 24	< 11	16	< 13	< 11	< 11	< 13
Phenanthrene	< 13	730	< 12	< 24	270	< 13	< 13	31	< 11	< 13
Pyrene	< 13	730	17	< 24	2000	37	< 13	440	< 11	< 13

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01G	SPY-01G	SPY-01G	SPY-01G	SPY-01H	SPY-01H	SPY-01H	SPY-02A	SPY-02A	SPY-02B
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1	5	10	3	1	5	10	0.5	1.5	0.5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	16.8	3.6	6.3	3.5	9.4	4.4	5.9	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	25.1	19.8	19.9	15.5	12.7	16.9	18.4	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	13.6	16.9	12	17.7	19.7	21.6	10.9	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	80.3	58.7	64.1	54.1	35.9	65.5	63.1	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01G	SPY-01G	SPY-01G	SPY-01G	SPY-01H	SPY-01H	SPY-01H	SPY-02A	SPY-02A	SPY-02B
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1	5	10	3	1	5	10	0.5	1.5	0.5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01G	SPY-01G	SPY-01G	SPY-01G	SPY-01H	SPY-01H	SPY-01H	SPY-02A	SPY-02A	SPY-02B
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1	5	10	3	1	5	10	0.5	1.5	0.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-01G	SPY-01G	SPY-01G	SPY-01G	SPY-01H	SPY-01H	SPY-01H	SPY-02A	SPY-02A	SPY-02B
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1	5	10	3	1	5	10	0.5	1.5	0.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	3800	< 57	< 59	< 60	< 52	< 62	< 62	< 11	< 12	< 120
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	---	---	---
2,3,5,6-Tetrachlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	< 11	< 12	< 120
2,3,5-Trichlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	---	---	---
2,3,6-Trichlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	---	---	---
2,4,5-Trichlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	---	---	---
2,4,6-Trichlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	< 5.5	< 5.8	< 56
3,4,5-Trichlorophenol	< 290	< 57	< 59	< 60	< 52	< 62	< 62	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	< 58	< 12	< 12	< 12	30	< 13	< 13	---	---	---
Dibenzofuran	66	< 12	< 12	< 12	< 11	< 13	< 13	---	---	---
Fluoranthene	2100	< 12	< 12	15	190	63	< 13	---	---	---
Pentachlorophenol	130000	< 57	< 59	220	390	350	< 62	170	130	650
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	90	< 12	< 12	< 12	< 11	< 13	< 13	---	---	---
Acenaphthylene	< 58	< 12	< 12	< 12	70	22	< 13	---	---	---
Anthracene	220	< 12	< 12	< 12	160	50	< 13	---	---	---
Benzo(a)anthracene	540	< 12	< 12	< 12	110	33	< 13	---	---	---
Benzo(a)pyrene	290	< 12	< 12	< 12	180	51	< 13	---	---	---
Benzo(b)fluoranthene	1300	< 12	< 12	14	420	130	< 13	---	---	---
Benzo(ghi)perylene	240	< 12	< 12	< 12	370	130	< 13	---	---	---
Benzo(k)fluoranthene	790	< 12	< 12	< 12	260	90	< 13	---	---	---
Chrysene	1400	< 12	< 12	16	220	57	< 13	---	---	---
Dibenzo(a,h)anthracene	100	< 12	< 12	< 12	75	29	< 13	---	---	---
Fluorene	170	< 12	< 12	< 12	< 11	< 13	< 13	---	---	---
Indeno(1,2,3-cd)pyrene	560	< 12	< 12	13	620	250	< 13	---	---	---
Naphthalene	< 58	< 12	< 12	< 12	< 11	< 13	< 13	---	---	---
Phenanthrene	920	< 12	< 12	< 12	45	24	< 13	---	---	---
Pyrene	6900	< 12	< 12	30	200	62	< 13	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-02B	SPY-02C	SPY-02C	SPY-02D	SPY-02D	SPY-02E	SPY-02E	SPY-02F	SPY-02F	SPY-02G
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	---	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-02B	SPY-02C	SPY-02C	SPY-02D	SPY-02D	SPY-02E	SPY-02E	SPY-02F	SPY-02F	SPY-02G
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-02B	SPY-02C	SPY-02C	SPY-02D	SPY-02D	SPY-02E	SPY-02E	SPY-02F	SPY-02F	SPY-02G
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-02B	SPY-02C	SPY-02C	SPY-02D	SPY-02D	SPY-02E	SPY-02E	SPY-02F	SPY-02F	SPY-02G
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	< 12	< 530	< 11000	< 120	< 54000	< 110	< 110	< 110	< 12000	920
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 12	< 530	< 11000	< 120	< 54000	< 110	< 110	< 110	< 12000	< 520
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5.6	< 270	< 5200	< 56	< 27000	< 55	< 54	< 53	< 5700	< 260
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	80	2600	63000	630	470000	1500	570	780	320000	2400
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-02G	SPY-02H	SPY-02H	SPY-02I	SPY-02I	SPY-03	SPY-04	SS-1	SS-10	SS-11
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	02/06/1991	02/06/1991	04/02/1996	02/26/2009	02/26/2009
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0	0	1	0.5	0.5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	22800	---	---
Antimony	---	---	---	---	---	---	---	< 12.5	---	---
Arsenic	---	---	---	---	---	< 0.001	0.007	2.6	---	6.05
Barium	---	---	---	---	---	---	---	266	---	---
Beryllium	---	---	---	---	---	---	---	1.7	---	---
Cadmium	---	---	---	---	---	---	---	< 0.67	---	---
Calcium	---	---	---	---	---	---	---	2080	---	---
Chromium	---	---	---	---	---	---	---	30.3	11.6	18.6
Cobalt	---	---	---	---	---	---	---	27.4	---	---
Copper	---	---	---	---	---	---	---	20.8	15.1	22.5
Iron	---	---	---	---	---	---	---	29200	---	---
Lead	---	---	---	---	---	---	---	5.4	---	---
Magnesium	---	---	---	---	---	---	---	2030	---	---
Manganese	---	---	---	---	---	---	---	905	---	---
Mercury	---	---	---	---	---	---	---	< 0.12	---	---
Nickel	---	---	---	---	---	---	---	26.9	---	---
Potassium	---	---	---	---	---	---	---	< 461	---	---
Selenium	---	---	---	---	---	---	---	< 0.48	---	---
Silver	---	---	---	---	---	---	---	2.8	---	---
Sodium	---	---	---	---	---	---	---	69.8	---	---
Thallium	---	---	---	---	---	---	---	0.44	---	---
Vanadium	---	---	---	---	---	---	---	70.6	---	---
Zinc	---	---	---	---	---	---	---	50.9	44.1	43.3
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	28000	28000
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	4100	< 4500
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	380	260
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	42	120
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	1300	300
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	1500	1800
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	560	140
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	170	220
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	87	26
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	13	29
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	580	200
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	310	120
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	740	56
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	0.42	< 0.78
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	43	16
OCDD	---	---	---	---	---	---	---	---	190000	240000
OCDF	---	---	---	---	---	---	---	---	2600	8200

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Table A-3
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Port of Ridgefield
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Sample ID	SPY-02G	SPY-02H	SPY-02H	SPY-02I	SPY-02I	SPY-03	SPY-04	SS-1	SS-10	SS-11
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	02/06/1991	02/06/1991	04/02/1996	02/26/2009	02/26/2009
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0	0	1	0.5	0.5
Total HpCDDs	---	---	---	---	---	---	---	---	45000	47000
Total HpCDFs	---	---	---	---	---	---	---	---	17000	12000
Total HxCDDs	---	---	---	---	---	---	---	---	3800	4400
Total HxCDFs	---	---	---	---	---	---	---	---	9500	6500
Total PeCDDs	---	---	---	---	---	---	---	---	30	63
Total PeCDFs	---	---	---	---	---	---	---	---	5500	1500
Total TCDDs	---	---	---	---	---	---	---	---	3.3	4.4
Total TCDFs	---	---	---	---	---	---	---	---	280	100
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
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Sample ID	SPY-02G	SPY-02H	SPY-02H	SPY-02I	SPY-02I	SPY-03	SPY-04	SS-1	SS-10	SS-11
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	02/06/1991	02/06/1991	04/02/1996	02/26/2009	02/26/2009
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0	0	1	0.5	0.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SPY-02G	SPY-02H	SPY-02H	SPY-02I	SPY-02I	SPY-03	SPY-04	SS-1	SS-10	SS-11
Sample Date	05/09/2002	05/09/2002	05/09/2002	05/09/2002	05/09/2002	02/06/1991	02/06/1991	04/02/1996	02/26/2009	02/26/2009
Sample Depth (feet bgs)	1.5	0.5	1.5	0.5	1.5	0	0	1	0.5	0.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	< 2500	< 2500	---	---	---
3-Methylphenol	---	---	---	---	---	< 2500	< 2500	---	---	---
4-Methylphenol	---	---	---	---	---	< 2500	< 2500	---	---	---
2,3,4,5-Tetrachlorophenol	< 120	< 1100	< 11000	600	< 120	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 120	< 1100	< 11000	< 110	< 120	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 57	< 510	< 5200	< 51	< 84	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	< 390	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	2300	---	381
Pentachlorophenol	1400	16000	68000	550	1300	8400	14000	950	---	2950
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	52	---	< 7.59
Acenaphthylene	---	---	---	---	---	---	---	---	---	210
Anthracene	---	---	---	---	---	---	---	---	---	502
Benzo(a)anthracene	---	---	---	---	---	---	---	370	---	356
Benzo(a)pyrene	---	---	---	---	---	---	---	91	---	803
Benzo(b)fluoranthene	---	---	---	---	---	---	---	200	---	1860
Benzo(ghi)perylene	---	---	---	---	---	---	---	47	---	688
Benzo(k)fluoranthene	---	---	---	---	---	---	---	180	---	550
Chrysene	---	---	---	---	---	---	---	430	---	675
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	< 210	---	334
Fluorene	---	---	---	---	---	---	---	---	---	11.4
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	52	---	777
Naphthalene	---	---	---	---	---	---	---	---	---	9.86
Phenanthrene	---	---	---	---	---	---	---	240	---	46.3
Pyrene	---	---	---	---	---	---	---	1500	---	601

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-12	SS-40	SS-8	TP-17	TP-17	TP-18	TP-18	TP-18	TP-18A	TP-18A
Sample Date	02/26/2009	06/17/2010	07/17/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	04/16/2002	04/16/2002
Sample Depth (feet bgs)	0.5	0	1.5	0.5	5	0.3	3	7	7	9
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	34.4	8.54	3.72	9.1	2.8	17.8	3.1	278	6.1	7.1
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	32.1	18.5	15.1	23.8	18.5	31.2	19.1	634	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	22	19.2	20.8	24.8	14.2	56.3	12.9	90.2	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	78.3	105	90.6	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	7700	2300	390	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	410	370	60	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	64	25	4.6	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	64	29	2.5	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	69	50	28	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	390	120	20	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	63	< 36	9.2	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	150	52	4.7	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	< 7	15	6.8	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	26	12	< 1	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	< 75	10	< 3	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	39	17	12	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	74	24	13	---	---	---	---	---	---	---
2,3,7,8-TCDD	< 0.93	< 0.85	< 0.64	---	---	---	---	---	---	---
2,3,7,8-TCDF	8	3.8	1.2	---	---	---	---	---	---	---
OCDD	69000	15000	3400	---	---	---	---	---	---	---
OCDF	650	610	41	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-12	SS-40	SS-8	TP-17	TP-17	TP-18	TP-18	TP-18	TP-18A	TP-18A
Sample Date	02/26/2009	06/17/2010	07/17/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	04/16/2002	04/16/2002
Sample Depth (feet bgs)	0.5	0	1.5	0.5	5	0.3	3	7	7	9
Total HpCDDs	14000	4000	670	---	---	---	---	---	---	---
Total HpCDFs	2500	1000	64	---	---	---	---	---	---	---
Total HxCDDs	1600	580	68	---	---	---	---	---	---	---
Total HxCDFs	2000	710	160	---	---	---	---	---	---	---
Total PeCDDs	97	63	< 1	---	---	---	---	---	---	---
Total PeCDFs	680	250	75	---	---	---	---	---	---	---
Total TCDDs	32	5.7	1.2	---	---	---	---	---	---	---
Total TCDFs	50	42	6.1	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-12	SS-40	SS-8	TP-17	TP-17	TP-18	TP-18	TP-18	TP-18A	TP-18A
Sample Date	02/26/2009	06/17/2010	07/17/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	04/16/2002	04/16/2002
Sample Depth (feet bgs)	0.5	0	1.5	0.5	5	0.3	3	7	7	9
2-Butanone	---	---	---	---	---	---	---	62	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	370	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-12	SS-40	SS-8	TP-17	TP-17	TP-18	TP-18	TP-18	TP-18A	TP-18A
Sample Date	02/26/2009	06/17/2010	07/17/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993	05/03/1993	04/16/2002	04/16/2002
Sample Depth (feet bgs)	0.5	0	1.5	0.5	5	0.3	3	7	7	9
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	38	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	< 30	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	< 30	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	< 1300	---	---	< 330	< 3300	---	---
Dibenzofuran	---	---	---	< 1300	---	---	< 330	5200	---	---
Fluoranthene	< 7.4	47.7	716	< 1300	---	---	370	6200	---	---
Pentachlorophenol	< 369	< 19.5	374	72000	---	560	< 1600	150000	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	< 7.92	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	< 7.4	< 8.67	< 7.92	---	---	---	---	---	---	---
Acenaphthylene	< 7.4	< 8.67	26.1	---	---	---	---	---	---	---
Anthracene	< 7.4	< 8.67	49.1	< 1300	---	---	< 330	< 3300	---	---
Benzo(a)anthracene	< 7.4	< 8.67	473	< 1300	---	---	< 330	< 3300	---	---
Benzo(a)pyrene	< 7.4	< 8.67	468	< 1300	---	---	< 330	< 3300	---	---
Benzo(b)fluoranthene	14	17.3	487	< 1300	---	---	< 330	< 3300	---	---
Benzo(ghi)perylene	15.5	< 8.67	270	---	---	---	---	---	---	---
Benzo(k)fluoranthene	< 7.4	< 8.67	145	< 1300	---	---	< 330	< 3300	---	---
Chrysene	< 7.4	17.3	401	< 1300	---	---	< 330	< 3300	---	---
Dibenzo(a,h)anthracene	< 7.4	< 8.67	95.8	---	---	---	---	---	---	---
Fluorene	< 7.4	< 8.67	< 7.92	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	11.8	< 8.67	231	< 1300	---	---	< 330	< 3300	---	---
Naphthalene	< 7.4	< 8.67	20.6	< 1300	---	---	< 330	3500	---	---
Phenanthrene	< 7.4	15.6	147	< 1300	---	---	< 330	13000	---	---
Pyrene	< 7.4	32.9	802	< 1300	---	---	350	4600	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18B	TP-18B	TP-18C	TP-18C	TP-18CEN	TP-18CEN	TP-18D	TP-18D	TP-18E	TP-18E
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/25/2002	04/25/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002
Sample Depth (feet bgs)	7	9	7	9	7	9	7	9	7	9
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	4.5	7.1	2.9	9.9	12.9	8.5	1.3	5.3	4.9	5.8
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18B	TP-18B	TP-18C	TP-18C	TP-18CEN	TP-18CEN	TP-18D	TP-18D	TP-18E	TP-18E
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/25/2002	04/25/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002
Sample Depth (feet bgs)	7	9	7	9	7	9	7	9	7	9
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18B	TP-18B	TP-18C	TP-18C	TP-18CEN	TP-18CEN	TP-18D	TP-18D	TP-18E	TP-18E
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/25/2002	04/25/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002
Sample Depth (feet bgs)	7	9	7	9	7	9	7	9	7	9
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18B	TP-18B	TP-18C	TP-18C	TP-18CEN	TP-18CEN	TP-18D	TP-18D	TP-18E	TP-18E
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/25/2002	04/25/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002
Sample Depth (feet bgs)	7	9	7	9	7	9	7	9	7	9
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18F	TP-18F	TP-18G	TP-18G	TP-18H	TP-18H	TP-19	TP-19	TP-20	TP-20
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	7	9	7	9	7	9	0.5	4.5	0.2	4.5
Metals (mg/kg)										
Aluminum	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	---	---	---	---	---
Arsenic	9.7	6.8	5.6	4.4	5.6	5.1	29.6	1	16.8	3.4
Barium	---	---	---	---	---	---	---	---	---	---
Beryllium	---	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---	---
Calcium	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	37	4.1	20.1	24
Cobalt	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	59.7	4.1	27	20.6
Iron	---	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---	---
Magnesium	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---	---
Nickel	---	---	---	---	---	---	---	---	---	---
Potassium	---	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---
Sodium	---	---	---	---	---	---	---	---	---	---
Thallium	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18F	TP-18F	TP-18G	TP-18G	TP-18H	TP-18H	TP-19	TP-19	TP-20	TP-20
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	7	9	7	9	7	9	0.5	4.5	0.2	4.5
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
TPH	---	---	---	---	---	---	---	---	---	---
TPH (as motor oil)(E5030-8015)	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18F	TP-18F	TP-18G	TP-18G	TP-18H	TP-18H	TP-19	TP-19	TP-20	TP-20
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	7	9	7	9	7	9	0.5	4.5	0.2	4.5
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-18F	TP-18F	TP-18G	TP-18G	TP-18H	TP-18H	TP-19	TP-19	TP-20	TP-20
Sample Date	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	04/16/2002	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth (feet bgs)	7	9	7	9	7	9	0.5	4.5	0.2	4.5
Semivolatile Organic Compounds (ug/kg)										
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	4200	---	---	---
Dibenzofuran	---	---	---	---	---	---	< 4000	---	---	---
Fluoranthene	---	---	---	---	---	---	41000	---	---	---
Pentachlorophenol	---	---	---	---	---	---	22000	---	---	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	13000	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	10000	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	5100	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	14000	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	4000	---	---	---
Chrysene	---	---	---	---	---	---	16000	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	< 4000	---	---	---
Naphthalene	---	---	---	---	---	---	< 4000	---	---	---
Phenanthrene	---	---	---	---	---	---	9400	---	---	---
Pyrene	---	---	---	---	---	---	38000	---	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-22	TP-22
Sample Date	05/03/1993	05/03/1993
Sample Depth (feet bgs)	0.5	6
Metals (mg/kg)		
Aluminum	---	---
Antimony	---	---
Arsenic	36.7	3.4
Barium	---	---
Beryllium	---	---
Cadmium	---	---
Calcium	---	---
Chromium	36.7	9.6
Cobalt	---	---
Copper	48.2	8.1
Iron	---	---
Lead	---	---
Magnesium	---	---
Manganese	---	---
Mercury	---	---
Nickel	---	---
Potassium	---	---
Selenium	---	---
Silver	---	---
Sodium	---	---
Thallium	---	---
Vanadium	---	---
Zinc	---	---
Dioxins and Furans (ng/kg)		
1,2,3,4,6,7,8-HpCDD	---	---
1,2,3,4,6,7,8-HpCDF	---	---
1,2,3,4,7,8,9-HpCDF	---	---
1,2,3,4,7,8-HxCDD	---	---
1,2,3,4,7,8-HxCDF	---	---
1,2,3,6,7,8-HxCDD	---	---
1,2,3,6,7,8-HxCDF	---	---
1,2,3,7,8,9-HxCDD	---	---
1,2,3,7,8,9-HxCDF	---	---
1,2,3,7,8-PeCDD	---	---
1,2,3,7,8-PeCDF	---	---
2,3,4,6,7,8-HxCDF	---	---
2,3,4,7,8-PeCDF	---	---
2,3,7,8-TCDD	---	---
2,3,7,8-TCDF	---	---
OCDD	---	---
OCDF	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-22	TP-22
Sample Date	05/03/1993	05/03/1993
Sample Depth (feet bgs)	0.5	6
Total HpCDDs	---	---
Total HpCDFs	---	---
Total HxCDDs	---	---
Total HxCDFs	---	---
Total PeCDDs	---	---
Total PeCDFs	---	---
Total TCDDs	---	---
Total TCDFs	---	---
Petroleum Hydrocarbons (mg/kg)		
Diesel	---	---
Gasoline	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---
Jet fuels	---	---
Kerosene	---	---
Lube-Oil-Range Hydrocarbons	---	---
Mineral spirits	---	---
Naphtha Distillate	---	---
Non-PHC as Diesel	---	---
PHC as Diesel	---	---
TPH	---	---
TPH (as motor oil)(E5030-8015)	---	---
Volatile Organic Compounds (ug/kg)		
1,1,1,2-Tetrachloroethane	---	---
1,1,1-Trichloroethane	---	---
1,1,2,2-Tetrachloroethane	---	---
1,1,2-Trichloroethane	---	---
1,1-Dichloroethane	---	---
1,1-Dichloropropene	---	---
1,2,3-Trichlorobenzene	---	---
1,2,3-Trichloropropane	---	---
1,2,4-Trichlorobenzene	---	---
1,2,4-Trimethylbenzene	---	---
1,2-Dibromo-3-chloropropane	---	---
1,2-Dibromoethane	---	---
1,2-Dichlorobenzene	---	---
1,2-Dichloroethane	---	---
1,2-Dichloropropane	---	---
1,3,5-Trimethylbenzene	---	---
1,3-Dichlorobenzene	---	---
1,3-Dichloropropane	---	---
1,4-Dichlorobenzene	---	---
2,2-Dichloropropane	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-22	TP-22
Sample Date	05/03/1993	05/03/1993
Sample Depth (feet bgs)	0.5	6
2-Butanone	---	---
2-Chlorotoluene	---	---
2-Hexanone	---	---
4-Chlorotoluene	---	---
4-Isopropyltoluene	---	---
4-Methyl-2-pentanone	---	---
Acetone	---	---
Benzene	---	---
Bromobenzene	---	---
Bromodichloromethane	---	---
Bromoform	---	---
Bromomethane	---	---
Carbon disulfide	---	---
Carbon tetrachloride	---	---
Chlorobenzene	---	---
Chlorobromomethane	---	---
Chloroethane	---	---
Chloroform	---	---
Chloromethane	---	---
cis-1,2-Dichloroethene	---	---
cis-1,3-Dichloropropene	---	---
Dibromochloromethane	---	---
Dibromomethane	---	---
Dichlorodifluoromethane	---	---
Ethylbenzene	---	---
Hexachlorobutadiene	---	---
Isopropylbenzene	---	---
m,p-Xylene	---	---
Methylene chloride	---	---
n-Butylbenzene	---	---
n-Propylbenzene	---	---
o-Xylene	---	---
sec-Butylbenzene	---	---
Styrene	---	---
tert-Butylbenzene	---	---
Tetrachloroethene	---	---
Toluene	---	---
trans-1,2-Dichloroethene	---	---
trans-1,3-Dichloropropene	---	---
Trichloroethene	---	---
Trichlorofluoromethane	---	---
Vinyl chloride	---	---

Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-22	TP-22
Sample Date	05/03/1993	05/03/1993
Sample Depth (feet bgs)	0.5	6
Semivolatile Organic Compounds (ug/kg)		
2-Methylphenol	---	---
3-Methylphenol	---	---
4-Methylphenol	---	---
2,3,4,5-Tetrachlorophenol	---	---
2,3,4,6-Tetrachlorophenol	---	---
2,3,4-Trichlorophenol	---	---
2,3,5,6-Tetrachlorophenol	---	---
2,3,5-Trichlorophenol	---	---
2,3,6-Trichlorophenol	---	---
2,4,5-Trichlorophenol	---	---
2,4,6-Trichlorophenol	---	---
3,4,5-Trichlorophenol	---	---
Bis(2-ethylhexyl)phthalate	---	---
Carbazole	< 1700	---
Dibenzofuran	< 1700	---
Fluoranthene	< 1700	---
Pentachlorophenol	< 8300	---
Tetrachlorophenols, Total	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)		
1-Methylnaphthalene	---	---
2-Methylnaphthalene	---	---
Acenaphthene	---	---
Acenaphthylene	---	---
Anthracene	< 1700	---
Benzo(a)anthracene	< 1700	---
Benzo(a)pyrene	< 1700	---
Benzo(b)fluoranthene	3200	---
Benzo(ghi)perylene	---	---
Benzo(k)fluoranthene	< 1700	---
Chrysene	1700	---
Dibenzo(a,h)anthracene	---	---
Fluorene	---	---
Indeno(1,2,3-cd)pyrene	2000	---
Naphthalene	< 1700	---
Phenanthrene	< 1700	---
Pyrene	< 1700	---

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Table A-3
Cell 3 Analytical Results
Port of Ridgefield
Ridgefield, Washington

NOTES:
--- = not analyzed.
bgs = below ground surface.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
PHC = petroleum hydrocarbons.
TPH = total petroleum hydrocarbons.
ug/kg = micrograms per kilogram.

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-120	B-120	B-120	B-121	B-121	B-121	B-122	B-122	B-122	B-123
Sample Collection Date	06/17/1999	06/17/1999	06/17/1999	06/18/1999	06/18/1999	06/18/1999	09/21/1999	09/21/1999	09/21/1999	09/22/1999
Sample Depth	2.5	5	15	2.5	5	20	2.5	15	20	2.5
Metals (mg/kg)										
Arsenic	---	---	---	---	---	---	9	---	---	---
Chromium	---	---	---	---	---	---	13	---	---	---
Copper	---	---	---	---	---	---	21	---	---	---
Zinc	---	---	---	---	---	---	67	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Gasoline	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---
Jet fuels	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Kerosene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---
Mineral spirits	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-120	B-120	B-120	B-121	B-121	B-121	B-122	B-122	B-122	B-123
Sample Collection Date	06/17/1999	06/17/1999	06/17/1999	06/18/1999	06/18/1999	06/18/1999	09/21/1999	09/21/1999	09/21/1999	09/22/1999
Sample Depth	2.5	5	15	2.5	5	20	2.5	15	20	2.5
Naphtha Distillate	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Non-PHC as Diesel	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---	---
PHC as Diesel	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-120	B-120	B-120	B-121	B-121	B-121	B-122	B-122	B-122	B-123
Sample Collection Date	06/17/1999	06/17/1999	06/17/1999	06/18/1999	06/18/1999	06/18/1999	09/21/1999	09/21/1999	09/21/1999	09/22/1999
Sample Depth	2.5	5	15	2.5	5	20	2.5	15	20	2.5
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 5
2-Methylnaphthalene	---	---	---	---	---	---	< 10	< 10	< 10	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	< 50	< 50	< 50	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-120	B-120	B-120	B-121	B-121	B-121	B-122	B-122	B-122	B-123
Sample Collection Date	06/17/1999	06/17/1999	06/17/1999	06/18/1999	06/18/1999	06/18/1999	09/21/1999	09/21/1999	09/21/1999	09/22/1999
Sample Depth	2.5	5	15	2.5	5	20	2.5	15	20	2.5
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	< 10	< 10	< 10	---
Dibenzofuran	---	---	---	---	---	---	< 10	< 10	< 10	---
Pentachlorophenol	9	10	6	< 5	< 5	< 5	< 50	< 10	< 50	---
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	---	---	---	---	---	---	< 10	< 10	< 10	---
Acenaphthylene	---	---	---	---	---	---	< 10	< 50	< 10	---
Anthracene	---	---	---	---	---	---	< 10	< 10	< 10	---
Benzo(a)anthracene	---	---	---	---	---	---	< 10	< 10	< 10	---
Benzo(a)pyrene	---	---	---	---	---	---	< 10	< 10	< 10	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	< 10	< 10	< 10	---
Benzo(ghi)perylene	---	---	---	---	---	---	< 10	< 10	< 10	---
Benzo(k)fluoranthene	---	---	---	---	---	---	< 10	< 10	< 10	---
Chrysene	---	---	---	---	---	---	< 10	< 10	< 10	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	< 10	< 10	< 10	---
Fluoranthene	---	---	---	---	---	---	< 10	< 10	< 10	---
Fluorene	---	---	---	---	---	---	< 10	< 10	< 10	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	< 10	< 10	< 10	---
Naphthalene	---	---	---	---	---	---	< 10	< 10	< 10	---
Phenanthrene	---	---	---	---	---	---	< 10	< 50	< 10	---
Pyrene	---	---	---	---	---	---	< 10	< 10	< 10	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-123	B-123	B-123	B-123	B-124	B-124	B-124	B-125	B-125	B-125
Sample Collection Date	09/22/1999	09/22/1999	09/22/1999	09/22/1999	09/23/1999	09/23/1999	09/23/1999	09/24/1999	09/24/1999	09/24/1999
Sample Depth	5	10	15	20	2.5	5	10	2.5	5	10
Metals (mg/kg)										
Arsenic	---	---	---	---	4	---	---	5	---	4
Chromium	---	---	---	---	15	---	---	12	---	15
Copper	---	---	---	---	19	---	---	17	---	19
Zinc	---	---	---	---	61	---	---	53	---	45
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	< 10	---	---	< 10	---	< 10
Gasoline	---	---	---	---	< 10	---	---	< 10	---	< 10
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	< 25	---	---	< 25	---	< 25
Jet fuels	---	---	---	---	< 10	---	---	< 10	---	< 10
Kerosene	---	---	---	---	< 10	---	---	< 10	---	< 10
Lube-Oil-Range Hydrocarbons	---	---	---	---	< 25	---	---	< 25	---	< 25
Mineral spirits	---	---	---	---	< 10	---	---	< 10	---	< 10

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-123	B-123	B-123	B-123	B-124	B-124	B-124	B-125	B-125	B-125
Sample Collection Date	09/22/1999	09/22/1999	09/22/1999	09/22/1999	09/23/1999	09/23/1999	09/23/1999	09/24/1999	09/24/1999	09/24/1999
Sample Depth	5	10	15	20	2.5	5	10	2.5	5	10
Naphtha Distillate	---	---	---	---	< 10	---	---	< 10	---	< 10
Non-PHC as Diesel	---	---	---	---	< 50	---	---	< 50	---	< 50
PHC as Diesel	---	---	---	---	< 25	---	---	< 25	---	< 25
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-123	B-123	B-123	B-123	B-124	B-124	B-124	B-125	B-125	B-125
Sample Collection Date	09/22/1999	09/22/1999	09/22/1999	09/22/1999	09/23/1999	09/23/1999	09/23/1999	09/24/1999	09/24/1999	09/24/1999
Sample Depth	5	10	15	20	2.5	5	10	2.5	5	10
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
2,3,5,6-Tetrachlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
2,3,6-Trichlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
2,4,5-Trichlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
2,4,6-Trichlorophenol	< 50	< 5	< 5	< 5	< 50	< 5	< 5	< 50	< 5	< 50
2-Methylnaphthalene	< 10	---	---	---	< 10	---	---	< 10	---	34
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 50	---	---	---	< 50	---	---	< 50	---	< 50
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-123	B-123	B-123	B-123	B-124	B-124	B-124	B-125	B-125	B-125
Sample Collection Date	09/22/1999	09/22/1999	09/22/1999	09/22/1999	09/23/1999	09/23/1999	09/23/1999	09/24/1999	09/24/1999	09/24/1999
Sample Depth	5	10	15	20	2.5	5	10	2.5	5	10
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	---	---	---	< 10	---	---	< 10	---	< 10
Dibenzofuran	< 10	---	---	---	< 10	---	---	< 10	---	11
Pentachlorophenol	< 50	< 5	< 5	< 5	< 50	< 5	< 5	340	< 5	< 50
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	20	< 5	< 5	< 50	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	< 10	---	---	---	< 10	---	---	< 10	---	18
Acenaphthylene	< 10	---	---	---	< 10	---	---	< 50	---	< 50
Anthracene	< 10	---	---	---	< 10	---	---	< 10	---	< 10
Benzo(a)anthracene	< 10	---	---	---	12	---	---	< 10	---	< 10
Benzo(a)pyrene	< 10	---	---	---	< 10	---	---	< 10	---	< 10
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	< 10	---	---	---	16	---	---	< 10	---	< 10
Benzo(ghi)perylene	< 10	---	---	---	< 10	---	---	< 10	---	< 10
Benzo(k)fluoranthene	< 10	---	---	---	17	---	---	< 10	---	< 10
Chrysene	< 10	---	---	---	24	---	---	< 10	---	< 10
Dibenzo(a,h)anthracene	< 10	---	---	---	< 10	---	---	< 10	---	< 10
Fluoranthene	< 10	---	---	---	73	---	---	< 10	---	< 10
Fluorene	< 10	---	---	---	< 10	---	---	< 10	---	10
Indeno(1,2,3-cd)pyrene	< 10	---	---	---	< 10	---	---	< 10	---	< 10
Naphthalene	< 10	---	---	---	< 10	---	---	< 10	---	40
Phenanthrene	< 10	---	---	---	< 10	---	---	< 10	---	21
Pyrene	< 10	---	---	---	62	---	---	< 10	---	< 10

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-125	B-125	B-126	B-126	B-126	B-126	B-127	B-127	B-127	B-127
Sample Collection Date	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/27/1999	09/27/1999	09/27/1999	09/27/1999
Sample Depth	15	20	5	10	15	20	2.5	5	10	15
Metals (mg/kg)										
Arsenic	2	3	3	---	---	---	---	---	---	---
Chromium	13	13	12	---	---	---	---	---	---	---
Copper	26	22	14	---	---	---	---	---	---	---
Zinc	43	36	47	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	< 10	< 10	---	---	---	< 10	---	< 10	---
Gasoline	< 10	< 10	< 10	---	---	---	< 10	---	< 10	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	---	---	---	< 25	---	< 25	---
Jet fuels	< 10	< 10	< 10	---	---	---	< 10	---	< 10	---
Kerosene	< 10	< 10	< 10	---	---	---	< 10	---	< 10	---
Lube-Oil-Range Hydrocarbons	< 25	< 25	< 25	---	---	---	< 25	---	< 25	---
Mineral spirits	< 10	< 10	< 10	---	---	---	< 10	---	< 10	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-125	B-125	B-126	B-126	B-126	B-126	B-127	B-127	B-127	B-127
Sample Collection Date	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/27/1999	09/27/1999	09/27/1999	09/27/1999
Sample Depth	15	20	5	10	15	20	2.5	5	10	15
Naphtha Distillate	< 10	< 10	< 10	---	---	---	< 10	---	< 10	---
Non-PHC as Diesel	< 50	< 50	< 50	---	---	---	< 50	---	< 50	---
PHC as Diesel	< 25	< 25	< 25	---	---	---	< 25	---	< 25	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	< 5	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	< 5	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	< 5	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	< 5	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	< 5	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	< 5	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	< 20	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	< 5	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	< 20	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	< 20	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	< 20	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	< 20	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	< 5	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	< 5	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	< 5	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	< 20	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	< 5	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	< 5	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	< 5	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	< 5	---	---	---
2-Butanone	---	---	---	---	---	---	< 20	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	< 20	---	---	---
2-Hexanone	---	---	---	---	---	---	< 20	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	< 20	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	< 20	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	< 20	---	---	---
Acetone	---	---	---	---	---	---	< 50	---	---	---
Benzene	---	---	---	---	---	---	< 5	---	---	---
Bromobenzene	---	---	---	---	---	---	< 5	---	---	---
Bromodichloromethane	---	---	---	---	---	---	< 5	---	---	---
Bromoform	---	---	---	---	---	---	< 5	---	---	---
Bromomethane	---	---	---	---	---	---	< 5	---	---	---
Carbon disulfide	---	---	---	---	---	---	< 5	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	< 5	---	---	---
Chlorobenzene	---	---	---	---	---	---	< 5	---	---	---
Chlorobromomethane	---	---	---	---	---	---	< 5	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-125	B-125	B-126	B-126	B-126	B-126	B-127	B-127	B-127	B-127
Sample Collection Date	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/27/1999	09/27/1999	09/27/1999	09/27/1999
Sample Depth	15	20	5	10	15	20	2.5	5	10	15
Chloroethane	---	---	---	---	---	---	< 5	---	---	---
Chloroform	---	---	---	---	---	---	< 5	---	---	---
Chloromethane	---	---	---	---	---	---	< 5	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	< 5	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	< 5	---	---	---
Dibromochloromethane	---	---	---	---	---	---	< 5	---	---	---
Dibromomethane	---	---	---	---	---	---	< 5	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	< 5	---	---	---
Ethylbenzene	---	---	---	---	---	---	< 5	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	< 20	---	---	---
Isopropylbenzene	---	---	---	---	---	---	< 20	---	---	---
m,p-Xylene	---	---	---	---	---	---	< 5	---	---	---
Methylene chloride	---	---	---	---	---	---	< 10	---	---	---
n-Butylbenzene	---	---	---	---	---	---	< 20	---	---	---
n-Propylbenzene	---	---	---	---	---	---	< 20	---	---	---
o-Xylene	---	---	---	---	---	---	< 5	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	< 20	---	---	---
Styrene	---	---	---	---	---	---	< 5	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	< 20	---	---	---
Tetrachloroethene	---	---	---	---	---	---	< 5	---	---	---
Toluene	---	---	---	---	---	---	< 5	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	< 5	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	< 5	---	---	---
Trichloroethene	---	---	---	---	---	---	< 5	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	< 5	---	---	---
Vinyl chloride	---	---	---	---	---	---	< 5	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	< 10	< 10	< 10	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	< 50	< 50	< 50	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-125	B-125	B-126	B-126	B-126	B-126	B-127	B-127	B-127	B-127
Sample Collection Date	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/24/1999	09/27/1999	09/27/1999	09/27/1999	09/27/1999
Sample Depth	15	20	5	10	15	20	2.5	5	10	15
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	< 10	< 10	12	---	---	---	---	---	---	---
Dibenzofuran	< 10	< 10	< 10	---	---	---	---	---	---	---
Pentachlorophenol	< 50	< 50	250	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachlorophenols, Total	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	< 10	< 10	< 10	---	---	---	---	---	---	---
Acenaphthylene	< 50	< 50	< 50	---	---	---	---	---	---	---
Anthracene	< 10	< 10	16	---	---	---	---	---	---	---
Benzo(a)anthracene	< 10	14	180	---	---	---	---	---	---	---
Benzo(a)pyrene	< 10	< 10	120	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	< 10	16	200	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 10	< 10	56	---	---	---	---	---	---	---
Benzo(k)fluoranthene	< 10	16	200	---	---	---	---	---	---	---
Chrysene	< 10	17	290	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	< 10	< 10	17	---	---	---	---	---	---	---
Fluoranthene	< 10	18	380	---	---	---	---	---	---	---
Fluorene	< 10	< 10	< 10	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	< 10	< 10	73	---	---	---	---	---	---	---
Naphthalene	< 10	21	< 10	---	---	---	< 20	---	---	---
Phenanthrene	23	< 10	24	---	---	---	---	---	---	---
Pyrene	< 10	27	880	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-127	B-128	B-128	B-128	B-129	B-129	B-129	B-130	B-130	B-130
Sample Collection Date	09/27/1999	09/27/1999	09/27/1999	09/27/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999
Sample Depth	20	5	10	20	2.5	5	20	2.5	5	15
Metals (mg/kg)										
Arsenic	---	---	---	---	4	---	---	---	---	---
Chromium	---	---	---	---	14	---	---	---	---	---
Copper	---	---	---	---	24	---	---	---	---	---
Zinc	---	---	---	---	47	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	---	---
Gasoline	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	---	< 25	< 25	< 25	< 25	< 25	< 25	---	---
Jet fuels	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	---	---
Kerosene	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	---	---
Lube-Oil-Range Hydrocarbons	< 25	---	< 25	< 25	180	< 25	< 25	< 25	---	---
Mineral spirits	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-127	B-128	B-128	B-128	B-129	B-129	B-129	B-130	B-130	B-130
Sample Collection Date	09/27/1999	09/27/1999	09/27/1999	09/27/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999
Sample Depth	20	5	10	20	2.5	5	20	2.5	5	15
Naphtha Distillate	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	---	---
Non-PHC as Diesel	< 50	---	< 50	< 50	< 50	< 50	< 50	< 50	---	---
PHC as Diesel	< 25	---	< 25	< 25	< 25	< 25	< 25	< 25	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1-Dichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,1-Dichloropropene	---	< 5	< 5	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	< 20	< 20	---	---	---	---	---	---	---
1,2-Dibromoethane	---	< 20	< 20	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
1,2-Dichloroethane	---	< 5	< 5	---	---	---	---	---	---	---
1,2-Dichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
1,3-Dichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
2,2-Dichloropropane	---	< 5	< 5	---	---	---	---	---	---	---
2-Butanone	---	< 20	< 20	---	---	---	---	---	---	---
2-Chlorotoluene	---	< 20	< 20	---	---	---	---	---	---	---
2-Hexanone	---	< 20	< 20	---	---	---	---	---	---	---
4-Chlorotoluene	---	< 20	< 20	---	---	---	---	---	---	---
4-Isopropyltoluene	---	< 20	< 20	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	< 20	< 20	---	---	---	---	---	---	---
Acetone	---	< 50	< 50	---	---	---	---	---	---	---
Benzene	---	< 5	< 5	---	---	---	---	---	---	---
Bromobenzene	---	< 5	< 5	---	---	---	---	---	---	---
Bromodichloromethane	---	< 5	< 5	---	---	---	---	---	---	---
Bromoform	---	< 5	< 5	---	---	---	---	---	---	---
Bromomethane	---	< 5	< 5	---	---	---	---	---	---	---
Carbon disulfide	---	< 5	< 5	---	---	---	---	---	---	---
Carbon tetrachloride	---	< 5	< 5	---	---	---	---	---	---	---
Chlorobenzene	---	< 5	< 5	---	---	---	---	---	---	---
Chlorobromomethane	---	< 5	< 5	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-127	B-128	B-128	B-128	B-129	B-129	B-129	B-130	B-130	B-130
Sample Collection Date	09/27/1999	09/27/1999	09/27/1999	09/27/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999
Sample Depth	20	5	10	20	2.5	5	20	2.5	5	15
Chloroethane	---	< 5	< 5	---	---	---	---	---	---	---
Chloroform	---	< 5	< 5	---	---	---	---	---	---	---
Chloromethane	---	< 5	< 5	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	< 5	< 5	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	< 5	< 5	---	---	---	---	---	---	---
Dibromochloromethane	---	< 5	< 5	---	---	---	---	---	---	---
Dibromomethane	---	< 5	< 5	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	< 5	< 5	---	---	---	---	---	---	---
Ethylbenzene	---	< 5	< 5	---	---	---	---	---	---	---
Hexachlorobutadiene	---	< 20	< 20	---	---	---	---	---	---	---
Isopropylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
m,p-Xylene	---	< 5	< 5	---	---	---	---	---	---	---
Methylene chloride	---	< 10	< 10	---	---	---	---	---	---	---
n-Butylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
n-Propylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
o-Xylene	---	< 5	< 5	---	---	---	---	---	---	---
sec-Butylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
Styrene	---	< 5	< 5	---	---	---	---	---	---	---
tert-Butylbenzene	---	< 20	< 20	---	---	---	---	---	---	---
Tetrachloroethene	---	< 5	< 5	---	---	---	---	---	---	---
Toluene	---	< 5	< 5	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	< 5	< 5	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	< 5	< 5	---	---	---	---	---	---	---
Trichloroethene	---	< 5	< 5	---	---	---	---	---	---	---
Trichlorofluoromethane	---	< 5	< 5	---	---	---	---	---	---	---
Vinyl chloride	---	< 5	< 5	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	---	---	---	---	< 5	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-127	B-128	B-128	B-128	B-129	B-129	B-129	B-130	B-130	B-130
Sample Collection Date	09/27/1999	09/27/1999	09/27/1999	09/27/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999	09/28/1999
Sample Depth	20	5	10	20	2.5	5	20	2.5	5	15
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	< 5	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 5	< 5	34	< 5	< 5	< 5	< 5	< 5
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	---	---	---	---	< 5	---	---	---	---	---
Acenaphthylene	---	---	---	---	56	---	---	---	---	---
Anthracene	---	---	---	---	160	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	120	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	110	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	280	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	160	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	290	---	---	---	---	---
Chrysene	---	---	---	---	510	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	19	---	---	---	---	---
Fluoranthene	---	---	---	---	430	---	---	---	---	---
Fluorene	---	---	---	---	< 5	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	150	---	---	---	---	---
Naphthalene	---	< 20	< 20	---	< 5	---	---	---	---	---
Phenanthrene	---	---	---	---	29	---	---	---	---	---
Pyrene	---	---	---	---	370	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-131	B-131	B-131	B-132	B-132	B-132	B-132	B-133	B-133	B-133
Sample Collection Date	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999
Sample Depth	2.5	5	20	2.5	5	15	20	2.5	10	20
Metals (mg/kg)										
Arsenic	9	---	---	3	---	---	---	2	---	---
Chromium	14	---	---	20	---	---	---	18	---	---
Copper	22	---	---	19	---	---	---	14	---	---
Zinc	54	---	---	36	---	---	---	37	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	---	---	< 10	< 10	---	---	< 10	< 10	---
Gasoline	< 10	---	---	< 10	< 10	---	---	< 10	< 10	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	---	---	< 25	< 25	---	---	< 25	< 25	---
Jet fuels	< 10	---	---	< 10	< 10	---	---	< 10	< 10	---
Kerosene	< 10	---	---	< 10	< 10	---	---	< 10	< 10	---
Lube-Oil-Range Hydrocarbons	< 25	---	---	< 25	< 25	---	---	< 25	< 25	---
Mineral spirits	< 10	---	---	< 10	< 10	---	---	< 10	< 10	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-131	B-131	B-131	B-132	B-132	B-132	B-132	B-133	B-133	B-133
Sample Collection Date	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999
Sample Depth	2.5	5	20	2.5	5	15	20	2.5	10	20
Naphtha Distillate	< 10	---	---	< 10	< 10	---	---	< 10	< 10	---
Non-PHC as Diesel	< 50	---	---	< 50	< 50	---	---	< 50	< 50	---
PHC as Diesel	< 25	---	---	< 25	< 25	---	---	< 25	< 25	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,1,2,2-Tetrachloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,1,1-Trichloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,1,2-Trichloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,1-Dichloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,1-Dichloropropene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,2,3-Trichlorobenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
1,2,3-Trichloropropane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,2,4-Trichlorobenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
1,2,4-Trimethylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
1,2-Dibromo-3-chloropropane	---	---	---	---	< 20	< 20	---	---	< 20	< 20
1,2-Dibromoethane	---	---	---	---	< 20	< 20	---	---	< 20	< 20
1,2-Dichlorobenzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,2-Dichloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,2-Dichloropropane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,3,5-Trimethylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
1,3-Dichlorobenzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,3-Dichloropropane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
1,4-Dichlorobenzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
2,2-Dichloropropane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
2-Butanone	---	---	---	---	< 20	< 20	---	---	< 20	< 20
2-Chlorotoluene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
2-Hexanone	---	---	---	---	< 20	< 20	---	---	< 20	< 20
4-Chlorotoluene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
4-Isopropyltoluene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
4-Methyl-2-pentanone	---	---	---	---	< 20	< 20	---	---	< 20	< 20
Acetone	---	---	---	---	< 50	< 50	---	---	< 50	< 50
Benzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Bromobenzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Bromodichloromethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Bromoform	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Bromomethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Carbon disulfide	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Carbon tetrachloride	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Chlorobenzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Chlorobromomethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-131	B-131	B-131	B-132	B-132	B-132	B-132	B-133	B-133	B-133
Sample Collection Date	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999
Sample Depth	2.5	5	20	2.5	5	15	20	2.5	10	20
Chloroethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Chloroform	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Chloromethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
cis-1,2-Dichloroethene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
cis-1,3-Dichloropropene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Dibromochloromethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Dibromomethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Dichlorodifluoromethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Ethylbenzene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Hexachlorobutadiene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
Isopropylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
m,p-Xylene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Methylene chloride	---	---	---	---	< 10	< 10	---	---	< 10	< 10
n-Butylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
n-Propylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
o-Xylene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
sec-Butylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
Styrene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
tert-Butylbenzene	---	---	---	---	< 20	< 20	---	---	< 20	< 20
Tetrachloroethene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Toluene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
trans-1,2-Dichloroethene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
trans-1,3-Dichloropropene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Trichloroethene	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Trichlorofluoromethane	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Vinyl chloride	---	---	---	---	< 5	< 5	---	---	< 5	< 5
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5
2-Methylnaphthalene	< 5	---	---	< 5	---	---	---	< 5	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-131	B-131	B-131	B-132	B-132	B-132	B-132	B-133	B-133	B-133
Sample Collection Date	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999	09/29/1999
Sample Depth	2.5	5	20	2.5	5	15	20	2.5	10	20
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	< 5	---	---	< 5	---	---	---	< 5	---	---
Pentachlorophenol	18	< 5	< 5	5.3	< 5	---	< 5	5.1	< 5	< 5
Tetrachlorophenols, Total	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	< 5	---	---	< 5	---	---	---	< 5	---	---
Acenaphthylene	< 5	---	---	< 5	---	---	---	< 5	---	---
Anthracene	< 5	---	---	< 5	---	---	---	6	---	---
Benzo(a)anthracene	< 5	---	---	6	---	---	---	8	---	---
Benzo(a)pyrene	< 5	---	---	7	---	---	---	5	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	9	---	---	9	---	---	---	18	---	---
Benzo(ghi)perylene	< 5	---	---	8	---	---	---	6	---	---
Benzo(k)fluoranthene	8	---	---	10	---	---	---	18	---	---
Chrysene	8	---	---	10	---	---	---	20	---	---
Dibenzo(a,h)anthracene	< 5	---	---	< 5	---	---	---	< 5	---	---
Fluoranthene	< 5	---	---	12	---	---	---	28	---	---
Fluorene	< 5	---	---	< 5	---	---	---	< 5	---	---
Indeno(1,2,3-cd)pyrene	< 5	---	---	7	---	---	---	7	---	---
Naphthalene	< 5	---	---	< 5	< 20	< 20	---	< 5	< 20	< 20
Phenanthrene	< 5	---	---	6	---	---	---	12	---	---
Pyrene	< 5	---	---	9	---	---	---	24	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-134	B-134	B-134	B-135	B-135	B-135	B-135	B-136	B-136	B-136
Sample Collection Date	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999
Sample Depth	3	10	20	2.5	5	10	20	2.5	5	10
Metals (mg/kg)										
Arsenic	2	10	3	---	---	---	---	---	---	---
Chromium	17	26	19	---	---	---	---	---	---	---
Copper	23	18	27	---	---	---	---	---	---	---
Zinc	55	59	48	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	< 10	< 10	< 10	---	---	---	---	---	---	---
Gasoline	< 10	< 10	< 10	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	< 25	< 25	< 25	---	---	---	---	---	---	---
Jet fuels	< 10	< 10	< 10	---	---	---	---	---	---	---
Kerosene	< 10	< 10	< 10	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	< 25	64	< 25	---	---	---	---	---	---	---
Mineral spirits	< 10	< 10	< 10	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-134	B-134	B-134	B-135	B-135	B-135	B-135	B-136	B-136	B-136
Sample Collection Date	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999
Sample Depth	3	10	20	2.5	5	10	20	2.5	5	10
Naphtha Distillate	< 10	< 10	< 10	---	---	---	---	---	---	---
Non-PHC as Diesel	< 50	< 50	< 50	---	---	---	---	---	---	---
PHC as Diesel	89	70	< 25	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,1,1-Trichloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,1-Dichloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,1-Dichloropropene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
1,2,3-Trichloropropane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,2,4-Trichlorobenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
1,2,4-Trimethylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
1,2-Dibromo-3-chloropropane	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
1,2-Dibromoethane	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
1,2-Dichlorobenzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,2-Dichloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,2-Dichloropropane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,3,5-Trimethylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
1,3-Dichlorobenzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,3-Dichloropropane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
1,4-Dichlorobenzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
2,2-Dichloropropane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
2-Butanone	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
2-Chlorotoluene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
2-Hexanone	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
4-Chlorotoluene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
4-Isopropyltoluene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
4-Methyl-2-pentanone	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
Acetone	< 50	< 50	---	< 50	< 50	---	---	< 50	< 50	< 50
Benzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Bromobenzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Bromodichloromethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Bromoform	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Bromomethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Carbon tetrachloride	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Chlorobenzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Chlorobromomethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-134	B-134	B-134	B-135	B-135	B-135	B-135	B-136	B-136	B-136
Sample Collection Date	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999
Sample Depth	3	10	20	2.5	5	10	20	2.5	5	10
Chloroethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Chloroform	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Chloromethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
cis-1,2-Dichloroethene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
cis-1,3-Dichloropropene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Dibromochloromethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Dibromomethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Dichlorodifluoromethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Ethylbenzene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Hexachlorobutadiene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
Isopropylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
m,p-Xylene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Methylene chloride	< 10	< 10	---	< 10	< 10	---	---	< 10	< 10	< 10
n-Butylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
n-Propylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
o-Xylene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
sec-Butylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
Styrene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
tert-Butylbenzene	< 20	< 20	---	< 20	< 20	---	---	< 20	< 20	< 20
Tetrachloroethene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Toluene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
trans-1,3-Dichloropropene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Trichloroethene	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Vinyl chloride	< 5	< 5	---	< 5	< 5	---	---	< 5	< 5	< 5
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	< 50	< 5	< 5	---	< 5	< 5	---	---	---
2-Methylnaphthalene	41	32	11	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-134	B-134	B-134	B-135	B-135	B-135	B-135	B-136	B-136	B-136
Sample Collection Date	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999	09/30/1999
Sample Depth	3	10	20	2.5	5	10	20	2.5	5	10
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	93	300	20	---	---	---	---	---	---	---
Pentachlorophenol	---	470	130	< 5	---	< 5	< 5	---	---	---
Tetrachlorophenols, Total	---	< 50	7.4	< 5	---	< 5	< 5	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	120	660	33	---	---	---	---	---	---	---
Acenaphthylene	11	6	< 5	---	---	---	---	---	---	---
Anthracene	140	68	16	---	---	---	---	---	---	---
Benzo(a)anthracene	280	54	20	---	---	---	---	---	---	---
Benzo(a)pyrene	120	17	6	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	200	33	13	---	---	---	---	---	---	---
Benzo(ghi)perylene	64	11	< 5	---	---	---	---	---	---	---
Benzo(k)fluoranthene	220	39	16	---	---	---	---	---	---	---
Chrysene	440	85	41	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	14	< 5	< 5	---	---	---	---	---	---	---
Fluoranthene	1700	440	240	---	---	---	---	---	---	---
Fluorene	170	260	26	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	77	12	< 5	---	---	---	---	---	---	---
Naphthalene	60	140	39	< 20	< 20	---	---	< 20	< 20	< 20
Phenanthrene	820	150	85	---	---	---	---	---	---	---
Pyrene	1100	300	150	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-136	B-136	B-136	B-137	B-137	B-137	B-138	B-138	B-138	B-211
Sample Collection Date	10/01/1999	10/01/1999	10/01/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	11/02/1999
Sample Depth	0	15	20	2.5	5	20	2.5	5	20	2.5
Metals (mg/kg)										
Arsenic	---	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-136	B-136	B-136	B-137	B-137	B-137	B-138	B-138	B-138	B-211
Sample Collection Date	10/01/1999	10/01/1999	10/01/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	11/02/1999
Sample Depth	0	15	20	2.5	5	20	2.5	5	20	2.5
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,1,2,2-Tetrachloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,1,1-Trichloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,1,2-Trichloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,1-Dichloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,1-Dichloropropene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,2,3-Trichlorobenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
1,2,3-Trichloropropane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,2,4-Trichlorobenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
1,2,4-Trimethylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
1,2-Dibromo-3-chloropropane	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
1,2-Dibromoethane	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
1,2-Dichlorobenzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,2-Dichloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,2-Dichloropropane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,3,5-Trimethylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
1,3-Dichlorobenzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,3-Dichloropropane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
1,4-Dichlorobenzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
2,2-Dichloropropane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
2-Butanone	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
2-Chlorotoluene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
2-Hexanone	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
4-Chlorotoluene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
4-Isopropyltoluene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
4-Methyl-2-pentanone	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
Acetone	---	< 50	< 50	< 50	< 50	< 50	84	150	< 50	---
Benzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Bromobenzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Bromodichloromethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Bromoform	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Bromomethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Carbon disulfide	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Carbon tetrachloride	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Chlorobenzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Chlorobromomethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-136	B-136	B-136	B-137	B-137	B-137	B-138	B-138	B-138	B-211
Sample Collection Date	10/01/1999	10/01/1999	10/01/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	11/02/1999
Sample Depth	0	15	20	2.5	5	20	2.5	5	20	2.5
Chloroethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Chloroform	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Chloromethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
cis-1,2-Dichloroethene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
cis-1,3-Dichloropropene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Dibromochloromethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Dibromomethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Dichlorodifluoromethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Ethylbenzene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Hexachlorobutadiene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
Isopropylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
m,p-Xylene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Methylene chloride	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---
n-Butylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
n-Propylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
o-Xylene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
sec-Butylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
Styrene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
tert-Butylbenzene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
Tetrachloroethene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Toluene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
trans-1,2-Dichloroethene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
trans-1,3-Dichloropropene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Trichloroethene	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Trichlorofluoromethane	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Vinyl chloride	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-136	B-136	B-136	B-137	B-137	B-137	B-138	B-138	B-138	B-211
Sample Collection Date	10/01/1999	10/01/1999	10/01/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	10/04/1999	11/02/1999
Sample Depth	0	15	20	2.5	5	20	2.5	5	20	2.5
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 5	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachlorophenols, Total	< 5	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---	---	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---
Phenanthrene	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-211	B-211	B-211	B-309	B-310	NPY-01	NPY-02	SS-20	SS-21	SS-21
Sample Collection Date	11/02/1999	11/02/1999	11/02/1999	02/26/2009	02/27/2009	02/06/1991	02/06/1991	02/18/2009	02/18/2009	02/18/2009
Sample Depth	5	10	20	5	5	0	0	0.5	0.5	1.5
Metals (mg/kg)										
Arsenic	---	---	2	---	---	---	---	2.4	2.54	---
Chromium	---	---	9	---	---	---	---	16.2	8.59	---
Copper	---	---	24	---	---	---	---	14.8	13.8	---
Zinc	---	---	40	---	---	---	---	49.4	40.8	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	---	---	---	4000	3100	---	---	38000000	5300	3000
1,2,3,4,6,7,8-HpCDF	---	---	---	280	170	---	---	4600000	800	300
1,2,3,4,7,8,9-HpCDF	---	---	---	19	13	---	---	< 840000	58	18
1,2,3,4,7,8-HxCDD	---	---	---	21	16	---	---	< 840000	29	11
1,2,3,4,7,8-HxCDF	---	---	---	65	38	---	---	850000	49	43
1,2,3,6,7,8-HxCDD	---	---	---	230	170	---	---	1800000	260	150
1,2,3,6,7,8-HxCDF	---	---	---	< 28	< 18	---	---	< 840000	46	23
1,2,3,7,8,9-HxCDD	---	---	---	65	38	---	---	< 840000	67	27
1,2,3,7,8,9-HxCDF	---	---	---	23	15	---	---	< 840000	23	16
1,2,3,7,8-PeCDD	---	---	---	6.8	4.7	---	---	< 840000	11	3.7
1,2,3,7,8-PeCDF	---	---	---	17	12	---	---	< 840000	14	14
2,3,4,6,7,8-HxCDF	---	---	---	34	26	---	---	< 840000	43	25
2,3,4,7,8-PeCDF	---	---	---	33	22	---	---	< 840000	27	27
2,3,7,8-TCDD	---	---	---	0.72	< 0.21	---	---	< 170000	0.62	< 0.19
2,3,7,8-TCDF	---	---	---	6.5	5.7	---	---	< 170000	5.2	6.1
OCDD	---	---	---	42000	42000	---	---	320000000	46000	27000
OCDF	---	---	---	410	210	---	---	9200000	3700	330
TEQ using WHO 2005	---	---	---	120	88	---	---	1700000	150	84
Total HpCDDs	---	---	---	7800	5600	---	---	68000000	9700	5600
Total HpCDFs	---	---	---	960	630	---	---	13000000	3000	1000
Total HxCDDs	---	---	---	930	520	---	---	6200000	1000	520
Total HxCDFs	---	---	---	920	720	---	---	14000000	1500	870
Total PeCDDs	---	---	---	27	4.7	---	---	< 840000	65	6.3
Total PeCDFs	---	---	---	280	200	---	---	3400000	370	240
Total TCDDs	---	---	---	2.7	< 0.21	---	---	< 170000	23	0.42
Total TCDFs	---	---	---	26	14	---	---	< 170000	25	24
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	< 10	---	---	---	---	---	---	---
Gasoline	---	---	< 10	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	< 25	---	---	---	---	---	---	---
Jet fuels	---	---	< 10	---	---	---	---	---	---	---
Kerosene	---	---	< 10	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	< 25	---	---	---	---	---	---	---
Mineral spirits	---	---	< 10	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-211	B-211	B-211	B-309	B-310	NPY-01	NPY-02	SS-20	SS-21	SS-21
Sample Collection Date	11/02/1999	11/02/1999	11/02/1999	02/26/2009	02/27/2009	02/06/1991	02/06/1991	02/18/2009	02/18/2009	02/18/2009
Sample Depth	5	10	20	5	5	0	0	0.5	0.5	1.5
Naphtha Distillate	---	---	< 10	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	< 50	---	---	---	---	---	---	---
PHC as Diesel	---	---	< 25	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-211	B-211	B-211	B-309	B-310	NPY-01	NPY-02	SS-20	SS-21	SS-21
Sample Collection Date	11/02/1999	11/02/1999	11/02/1999	02/26/2009	02/27/2009	02/06/1991	02/06/1991	02/18/2009	02/18/2009	02/18/2009
Sample Depth	5	10	20	5	5	0	0	0.5	0.5	1.5
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	< 50	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	< 50	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	< 50	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	< 50	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	< 50	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	< 50	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	< 5	< 5	< 50	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	< 10	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	< 2500	< 2500	---	---	---
3,4,5-Trichlorophenol	---	---	< 50	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	< 2500	< 2500	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-211	B-211	B-211	B-309	B-310	NPY-01	NPY-02	SS-20	SS-21	SS-21
Sample Collection Date	11/02/1999	11/02/1999	11/02/1999	02/26/2009	02/27/2009	02/06/1991	02/06/1991	02/18/2009	02/18/2009	02/18/2009
Sample Depth	5	10	20	5	5	0	0	0.5	0.5	1.5
4-Methylphenol	---	---	---	---	---	< 2500	< 2500	---	---	---
Carbazole	---	---	< 10	---	---	---	---	---	---	---
Dibenzofuran	---	---	< 10	---	---	---	---	---	---	---
Pentachlorophenol	< 5	< 5	< 40	---	---	2500	8000	---	< 365	---
Tetrachlorophenols, Total	< 5	< 5	< 5	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	---	---	< 10	---	---	---	---	< 7.83	< 7.31	---
Acenaphthylene	---	---	< 50	---	---	---	---	< 7.83	< 7.31	---
Anthracene	---	---	< 10	---	---	---	---	< 7.83	< 7.31	---
Benzo(a)anthracene	---	---	< 10	---	---	---	---	< 15.7	13.1	---
Benzo(a)pyrene	---	---	< 10	---	---	---	---	< 15.7	13.9	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	< 15.7	46.7	---
Benzo(b)fluoranthene	---	---	< 10	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	---	< 10	---	---	---	---	< 15.7	17.5	---
Benzo(k)fluoranthene	---	---	< 10	---	---	---	---	< 15.7	19	---
Chrysene	---	---	< 10	---	---	---	---	< 15.7	29.2	---
Dibenzo(a,h)anthracene	---	---	< 10	---	---	---	---	< 15.7	< 7.31	---
Fluoranthene	---	---	< 10	---	---	---	---	< 7.83	40.2	---
Fluorene	---	---	< 10	---	---	---	---	< 7.83	< 7.31	---
Indeno(1,2,3-cd)pyrene	---	---	< 10	---	---	---	---	< 15.7	16.1	---
Naphthalene	---	---	< 10	---	---	---	---	< 7.83	< 7.31	---
Phenanthrene	---	---	< 10	---	---	---	---	< 7.83	< 7.31	---
Pyrene	---	---	< 10	---	---	---	---	< 15.7	31.4	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-22	SS-23	SS-23	SS-24	SS-24	SS-25	SS-25	SS-26	SS-26	SS-27
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009
Sample Depth	0.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
Metals (mg/kg)										
Arsenic	1.51	3.04	---	6.26	---	1.58	---	3.37	---	7.46
Chromium	7.68	13.8	---	13.5	---	6.49	---	19.6	---	8.19
Copper	5.1	18.2	---	15.2	---	39.1	---	17.2	---	11.3
Zinc	17.2	98.8	---	50.1	---	41	---	65.6	---	34.6
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	270	2500	110	34000	450	1600	89	2400	14000	2000
1,2,3,4,6,7,8-HpCDF	39	250	16	2500	44	470	12	270	1400	170
1,2,3,4,7,8,9-HpCDF	3.6	16	1	91	2.7	41	< 0.99	19	81	8.2
1,2,3,4,7,8-HxCDD	2.4	18	< 0.96	440	2.9	13	< 0.99	13	75	21
1,2,3,4,7,8-HxCDF	6	25	2.8	170	11	33	1.8	28	200	< 21
1,2,3,6,7,8-HxCDD	12	140	5.6	1900	25	79	4.3	120	940	110
1,2,3,6,7,8-HxCDF	4.3	14	1.2	75	4.2	11	< 1.5	20	100	11
1,2,3,7,8,9-HxCDD	5.2	41	1.3	490	6.1	19	1.5	33	200	32
1,2,3,7,8,9-HxCDF	1.8	11	1.2	130	3.2	15	< 0.99	12	77	9.2
1,2,3,7,8-PeCDD	0.93	6.8	< 0.96	76	1.2	3.3	< 0.99	6.1	28	6
1,2,3,7,8-PeCDF	1.1	7.1	< 0.96	89	2.8	6	< 0.99	8.1	65	7.2
2,3,4,6,7,8-HxCDF	3.5	19	1.5	110	5.2	8.6	1	20	130	14
2,3,4,7,8-PeCDF	2.9	15	2	200	8.1	19	1	15	130	12
2,3,7,8-TCDD	< 0.18	0.41	< 0.26	1.6	< 0.2	0.19	< 0.24	0.52	< 1	< 0.26
2,3,7,8-TCDF	0.32	2.5	< 0.31	53	1.7	2.1	< 0.31	3.5	29	2.5
OCDD	2200	24000	1000	240000	3400	15000	890	20000	120000	18000
OCDF	120	570	18	1900	30	2200	47	290	1000	250
TEQ using WHO 2005	9.3	73	4.2	920	16	54	3.3	70	430	58
Total HpCDDs	510	4600	180	67000	820	2900	210	4400	22000	4100
Total HpCDFs	130	850	44	3000	120	2200	39	970	4500	480
Total HxCDDs	58	580	21	7900	89	310	12	470	3100	470
Total HxCDFs	100	630	42	5900	120	980	19	730	3800	490
Total PeCDDs	3.6	44	1.2	270	2.3	20	< 0.99	22	84	20
Total PeCDFs	29	190	16	2500	54	180	5	200	1700	190
Total TCDDs	0.88	9.8	< 0.26	73	0.79	1.8	< 0.24	4.9	1.8	2.7
Total TCDFs	1.2	13	1.9	99	8.3	9.6	< 0.31	12	180	7.3
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-22	SS-23	SS-23	SS-24	SS-24	SS-25	SS-25	SS-26	SS-26	SS-27
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009
Sample Depth	0.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-22	SS-23	SS-23	SS-24	SS-24	SS-25	SS-25	SS-26	SS-26	SS-27
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009
Sample Depth	0.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-22	SS-23	SS-23	SS-24	SS-24	SS-25	SS-25	SS-26	SS-26	SS-27
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/18/2009
Sample Depth	0.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	0.5
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 404	< 367	---	1540	---	< 395	---	< 394	---	< 356
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	< 8.08	< 7.36	---	< 7.14	---	< 7.92	---	< 7.89	---	< 7.13
Acenaphthylene	< 8.08	< 7.36	---	8.57	---	< 7.92	---	< 7.89	---	< 7.13
Anthracene	< 8.08	< 7.36	---	44.3	---	9.5	---	< 7.89	---	8.56
Benzo(a)anthracene	< 16.2	< 7.36	---	15	---	26.1	---	< 7.89	---	13.5
Benzo(a)pyrene	< 16.2	< 7.36	---	33.5	---	29.3	---	< 7.89	---	< 14.3
Benzo(b)fluoranthene	< 16.2	11	---	80.7	---	72.8	---	22.9	---	20
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	< 16.2	< 7.36	---	79.9	---	24.5	---	< 7.89	---	28.5
Benzo(k)fluoranthene	< 16.2	< 7.36	---	21.4	---	23	---	22.1	---	< 14.3
Chrysene	< 16.2	< 7.36	---	39.3	---	58.6	---	< 7.89	---	< 7.13
Dibenzo(a,h)anthracene	< 16.2	< 7.36	---	32.8	---	11.9	---	< 7.89	---	15.7
Fluoranthene	< 8.08	< 7.36	---	34.3	---	26.9	---	< 7.89	---	12.1
Fluorene	< 8.08	< 7.36	---	< 7.14	---	< 7.92	---	< 7.89	---	< 7.13
Indeno(1,2,3-cd)pyrene	< 16.2	< 7.36	---	49.3	---	24.5	---	< 7.89	---	18.5
Naphthalene	< 8.08	< 7.36	---	< 7.14	---	< 7.92	---	< 7.89	---	< 7.13
Phenanthrene	< 8.08	< 7.36	---	7.85	---	11.1	---	< 7.89	---	< 7.13
Pyrene	< 16.2	< 7.36	---	42.8	---	21.4	---	< 7.89	---	10.7

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-27	SS-28	SS-28	SS-29	SS-29	SS-5	TP-23	TP-23	TP-24	TP-24
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/19/2009	07/16/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth	1.5	0.5	1.5	1.5	0.5	0.3	0.3	4	0.5	3
Metals (mg/kg)										
Arsenic	---	1.45	---	---	3.83	5.62	1.9	4.4	14.9	3.1
Chromium	---	2.61	---	---	5.18	17.6	9.4	12.8	9.6	11
Copper	---	36.1	---	---	14.7	14.1	13.8	8.5	39.5	12.8
Zinc	---	35.7	---	---	38.5	50.7	---	---	---	---
Dioxins and Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	510	4600	9300	150	1200	3400	---	---	---	---
1,2,3,4,6,7,8-HpCDF	41	480	1500	18	130	640	---	---	---	---
1,2,3,4,7,8,9-HpCDF	< 2.1	38	100	1.1	8.2	67	---	---	---	---
1,2,3,4,7,8-HxCDD	4	19	39	1	8.3	---	---	---	---	---
1,2,3,4,7,8-HxCDF	< 5.6	85	510	5.3	35	67	---	---	---	---
1,2,3,6,7,8-HxCDD	33	210	560	8.2	61	150	---	---	---	---
1,2,3,6,7,8-HxCDF	2.5	23	150	2.1	10	< 32	---	---	---	---
1,2,3,7,8,9-HxCDD	9.2	47	110	3	21	53	---	---	---	---
1,2,3,7,8,9-HxCDF	1.9	31	120	1.8	8.9	20	---	---	---	---
1,2,3,7,8-PeCDD	1.7	6.8	12	< 0.93	3.5	11	---	---	---	---
1,2,3,7,8-PeCDF	2.3	13	78	1	5.1	< 4.1	---	---	---	---
2,3,4,6,7,8-HxCDF	4	51	200	< 2	15	54	---	---	---	---
2,3,4,7,8-PeCDF	4.1	44	250	< 3.2	17	---	---	---	---	---
2,3,7,8-TCDD	< 0.29	< 0.19	0.37	< 0.26	0.2	0.86	---	---	---	---
2,3,7,8-TCDF	1.1	1	23	< 0.4	1.5	2.5	---	---	---	---
OCDD	3600	44000	100000	1400	9700	26000	---	---	---	---
OCDF	40	930	480	15	140	2200	---	---	---	---
TEQ using WHO 2005	15	130	400	5	42	100	---	---	---	---
Total HpCDDs	950	7400	15000	310	2500	6400	---	---	---	---
Total HpCDFs	120	1600	4500	47	380	710	---	---	---	---
Total HxCDDs	120	680	1600	33	300	700	---	---	---	---
Total HxCDFs	110	1400	5000	47	450	760	---	---	---	---
Total PeCDDs	2.7	24	31	< 0.93	15	57	---	---	---	---
Total PeCDFs	43	410	2000	20	150	130	---	---	---	---
Total TCDDs	< 0.29	4.5	1.6	< 0.26	1.4	4.2	---	---	---	---
Total TCDFs	5	16	220	2	9.4	17	---	---	---	---
Petroleum Hydrocarbons (mg/kg)										
Diesel	---	---	---	---	---	---	---	---	---	---
Gasoline	---	---	---	---	---	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Jet fuels	---	---	---	---	---	---	---	---	---	---
Kerosene	---	---	---	---	---	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---	---	---	---	---	---
Mineral spirits	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-27	SS-28	SS-28	SS-29	SS-29	SS-5	TP-23	TP-23	TP-24	TP-24
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/19/2009	07/16/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth	1.5	0.5	1.5	1.5	0.5	0.3	0.3	4	0.5	3
Naphtha Distillate	---	---	---	---	---	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---	---	---	---	---	---
PHC as Diesel	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (ug/kg)										
1,1,1,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---	---	---	---	---	---
2-Butanone	---	---	---	---	---	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
2-Hexanone	---	---	---	---	---	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---	---	---	---
Benzene	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---	---	---	---	---	---
Bromoform	---	---	---	---	---	---	---	---	---	---
Bromomethane	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-27	SS-28	SS-28	SS-29	SS-29	SS-5	TP-23	TP-23	TP-24	TP-24
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/19/2009	07/16/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth	1.5	0.5	1.5	1.5	0.5	0.3	0.3	4	0.5	3
Chloroethane	---	---	---	---	---	---	---	---	---	---
Chloroform	---	---	---	---	---	---	---	---	---	---
Chloromethane	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---	---	---	---	---	---
Dibromomethane	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---
m,p-Xylene	---	---	---	---	---	---	---	---	---	---
Methylene chloride	---	---	---	---	---	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---
o-Xylene	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---	---	---	---	---	---
Trichloroethene	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)										
2,3,4,5-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	88	---	100	---
2,3,4-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---	< 7.1	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	< 30	---	< 30	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	< 30	---	< 30	---
2-Methylnaphthalene	---	---	---	---	---	< 7.1	---	---	---	---
2-Methylphenol	---	---	---	---	---	---	---	---	---	---
3,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---	---
3-Methylphenol	---	---	---	---	---	---	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-27	SS-28	SS-28	SS-29	SS-29	SS-5	TP-23	TP-23	TP-24	TP-24
Sample Collection Date	02/18/2009	02/18/2009	02/18/2009	02/18/2009	02/19/2009	07/16/2008	05/03/1993	05/03/1993	05/03/1993	05/03/1993
Sample Depth	1.5	0.5	1.5	1.5	0.5	0.3	0.3	4	0.5	3
4-Methylphenol	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	---	< 372	---	---	< 369	116	1100	---	4400	---
Tetrachlorophenols, Total	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)										
Acenaphthene	---	< 7.46	---	---	< 7.39	8.51	---	---	---	---
Acenaphthylene	---	< 7.46	---	---	< 7.39	31.2	---	---	---	---
Anthracene	---	< 7.46	---	---	12.6	49.7	---	---	---	---
Benzo(a)anthracene	---	< 7.46	---	---	8.12	110	---	---	---	---
Benzo(a)pyrene	---	< 7.46	---	---	28.1	116	---	---	---	---
Benzo(b)fluoranthene	---	< 7.46	---	---	44.3	400	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---	---	---	---	---	---
Benzo(ghi)perylene	---	< 7.46	---	---	53.2	83.7	---	---	---	---
Benzo(k)fluoranthene	---	< 7.46	---	---	19.2	75.9	---	---	---	---
Chrysene	---	< 7.46	---	---	10.3	205	---	---	---	---
Dibenzo(a,h)anthracene	---	< 7.46	---	---	25.1	43.3	---	---	---	---
Fluoranthene	---	< 7.46	---	---	17	514	---	---	---	---
Fluorene	---	< 7.46	---	---	7.39	14.9	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	< 7.46	---	---	42.8	91.5	---	---	---	---
Naphthalene	---	< 7.46	---	---	< 7.39	7.8	---	---	---	---
Phenanthrene	---	< 7.46	---	---	7.39	175	---	---	---	---
Pyrene	---	< 7.46	---	---	17	392	---	---	---	---

Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-25	TP-25	TP-26	TP-26	W-9
Sample Collection Date	05/03/1993	05/03/1993	05/03/1993	05/03/1993	02/04/1991
Sample Depth	0.5	5	0.4	4.5	0
Metals (mg/kg)					
Arsenic	59.2	5.1	10.4	5.6	---
Chromium	57.6	14.6	14.2	7.6	---
Copper	65	13.8	18	13.4	---
Zinc	---	---	---	---	---
Dioxins and Furans (ng/kg)					
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---
OCDD	---	---	---	---	---
OCDF	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---
Total HpCDDs	---	---	---	---	---
Total HpCDFs	---	---	---	---	---
Total HxCDDs	---	---	---	---	---
Total HxCDFs	---	---	---	---	---
Total PeCDDs	---	---	---	---	---
Total PeCDFs	---	---	---	---	---
Total TCDDs	---	---	---	---	---
Total TCDFs	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)					
Diesel	---	---	---	---	---
Gasoline	---	---	---	---	---
Heavy-Fuel-Oil-Range Hydrocarbons	---	---	---	---	---
Jet fuels	---	---	---	---	---
Kerosene	---	---	---	---	---
Lube-Oil-Range Hydrocarbons	---	---	---	---	---
Mineral spirits	---	---	---	---	---

Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-25	TP-25	TP-26	TP-26	W-9
Sample Collection Date	05/03/1993	05/03/1993	05/03/1993	05/03/1993	02/04/1991
Sample Depth	0.5	5	0.4	4.5	0
Naphtha Distillate	---	---	---	---	---
Non-PHC as Diesel	---	---	---	---	---
PHC as Diesel	---	---	---	---	---
Volatile Organic Compounds (ug/kg)					
1,1,1,2-Tetrachloroethane	---	---	---	---	---
1,1,2,2-Tetrachloroethane	---	---	---	---	---
1,1,1-Trichloroethane	---	---	---	---	---
1,1,2-Trichloroethane	---	---	---	---	---
1,1-Dichloroethane	---	---	---	---	---
1,1-Dichloropropene	---	---	---	---	---
1,2,3-Trichlorobenzene	---	---	---	---	---
1,2,3-Trichloropropane	---	---	---	---	---
1,2,4-Trichlorobenzene	---	---	---	---	---
1,2,4-Trimethylbenzene	---	---	---	---	---
1,2-Dibromo-3-chloropropane	---	---	---	---	---
1,2-Dibromoethane	---	---	---	---	---
1,2-Dichlorobenzene	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	---
1,2-Dichloropropane	---	---	---	---	---
1,3,5-Trimethylbenzene	---	---	---	---	---
1,3-Dichlorobenzene	---	---	---	---	---
1,3-Dichloropropane	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---
2,2-Dichloropropane	---	---	---	---	---
2-Butanone	---	---	---	---	---
2-Chlorotoluene	---	---	---	---	---
2-Hexanone	---	---	---	---	---
4-Chlorotoluene	---	---	---	---	---
4-Isopropyltoluene	---	---	---	---	---
4-Methyl-2-pentanone	---	---	---	---	---
Acetone	---	---	---	---	---
Benzene	---	---	---	---	---
Bromobenzene	---	---	---	---	---
Bromodichloromethane	---	---	---	---	---
Bromoform	---	---	---	---	---
Bromomethane	---	---	---	---	---
Carbon disulfide	---	---	---	---	---
Carbon tetrachloride	---	---	---	---	---
Chlorobenzene	---	---	---	---	---
Chlorobromomethane	---	---	---	---	---

Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-25	TP-25	TP-26	TP-26	W-9
Sample Collection Date	05/03/1993	05/03/1993	05/03/1993	05/03/1993	02/04/1991
Sample Depth	0.5	5	0.4	4.5	0
Chloroethane	---	---	---	---	---
Chloroform	---	---	---	---	---
Chloromethane	---	---	---	---	---
cis-1,2-Dichloroethene	---	---	---	---	---
cis-1,3-Dichloropropene	---	---	---	---	---
Dibromochloromethane	---	---	---	---	---
Dibromomethane	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---
Ethylbenzene	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---
Isopropylbenzene	---	---	---	---	---
m,p-Xylene	---	---	---	---	---
Methylene chloride	---	---	---	---	---
n-Butylbenzene	---	---	---	---	---
n-Propylbenzene	---	---	---	---	---
o-Xylene	---	---	---	---	---
sec-Butylbenzene	---	---	---	---	---
Styrene	---	---	---	---	---
tert-Butylbenzene	---	---	---	---	---
Tetrachloroethene	---	---	---	---	---
Toluene	---	---	---	---	---
trans-1,2-Dichloroethene	---	---	---	---	---
trans-1,3-Dichloropropene	---	---	---	---	---
Trichloroethene	---	---	---	---	---
Trichlorofluoromethane	---	---	---	---	---
Vinyl chloride	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)					
2,3,4,5-Tetrachlorophenol	---	---	---	---	---
2,3,4,6-Tetrachlorophenol	---	---	---	---	---
2,3,4-Trichlorophenol	---	---	---	---	---
2,3,5,6-Tetrachlorophenol	---	---	---	---	---
1-Methylnaphthalene	---	---	---	---	---
2,3,5-Trichlorophenol	---	---	---	---	---
2,3,6-Trichlorophenol	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---
2-Methylphenol	---	---	---	---	< 2500
3,4,5-Trichlorophenol	---	---	---	---	---
3-Methylphenol	---	---	---	---	< 2500

Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	TP-25	TP-25	TP-26	TP-26	W-9
Sample Collection Date	05/03/1993	05/03/1993	05/03/1993	05/03/1993	02/04/1991
Sample Depth	0.5	5	0.4	4.5	0
4-Methylphenol	---	---	---	---	< 2500
Carbazole	---	---	---	---	---
Dibenzofuran	---	---	---	---	---
Pentachlorophenol	---	---	---	---	< 2500
Tetrachlorophenols, Total	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (ug/kg)					
Acenaphthene	---	---	---	---	---
Acenaphthylene	---	---	---	---	---
Anthracene	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	---
Benzo(a)pyrene	---	---	---	---	---
Benzo(b)fluoranthene	640	---	---	---	---
Benzo(b)fluoranthene	---	---	---	---	---
Benzo(ghi)perylene	---	---	---	---	---
Benzo(k)fluoranthene	---	---	---	---	---
Chrysene	1100	---	---	---	---
Dibenzo(a,h)anthracene	---	---	---	---	---
Fluoranthene	4900	---	---	---	---
Fluorene	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	---	---	---	---	---
Naphthalene	---	---	---	---	---
Phenanthrene	4200	---	---	---	---
Pyrene	2600	---	---	---	---

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Table A-4
Cell 4 Analytical Results
Port of Ridgefield
Ridgefield, Washington

NOTES:
--- - not analyzed.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
PHC = petroleum hydrocarbons.
TEQ = toxicity equivalent. Calculated using World Health Organization 2005 methodology.
ug/kg = micrograms per kilogram.

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Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-1	B-2	B-3	B-5	B-6	B-6	B-7	B-7
Sample Collection Date	04/06/2000	04/06/2000	04/06/2000	11/07/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000
Sample Depth (feet bgs)	2.5	10	2.5	0	10	2.5	10	2.5	10
Metals (mg/kg)									
Arsenic	---	---	---	---	---	---	---	---	---
Barium	---	---	---	---	---	---	---	---	---
Cadmium	---	---	---	---	---	---	---	---	---
Chromium	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	---	---	---	---
Lead	---	---	---	---	---	---	---	---	---
Mercury	---	---	---	---	---	---	---	---	---
Selenium	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---
Dioxins and Furans (ng/kg)									
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	---	---	---
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	---	---	---
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	---	---	---
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDD	---	---	---	---	---	---	---	---	---
1,2,3,7,8-PeCDF	---	---	---	---	---	---	---	---	---
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	---	---	---
2,3,4,7,8-PeCDF	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDD	---	---	---	---	---	---	---	---	---
2,3,7,8-TCDF	---	---	---	---	---	---	---	---	---
OCDD	---	---	---	---	---	---	---	---	---
OCDF	---	---	---	---	---	---	---	---	---
Total HpCDDs	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---
Total HpCDFs	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	---	---	---
Total HxCDFs	---	---	---	---	---	---	---	---	---
Total PeCDDs	---	---	---	---	---	---	---	---	---
Total PeCDFs	---	---	---	---	---	---	---	---	---
Total TCDDs	---	---	---	---	---	---	---	---	---
Total TCDFs	---	---	---	---	---	---	---	---	---
TEQ using WHO 2005	---	---	---	---	---	---	---	---	---
Petroleum Hydrocarbons (mg/kg)									
C10-C22 Diesel-Range Organics	---	---	---	< 50	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	< 20	---	---	---	---	---

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Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-1	B-1	B-2	B-3	B-5	B-6	B-6	B-7	B-7
Sample Collection Date	04/06/2000	04/06/2000	04/06/2000	11/07/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000
Sample Depth (feet bgs)	2.5	10	2.5	0	10	2.5	10	2.5	10
Diesel	< 50	< 50	< 50	240	< 50	< 50	< 50	< 50	< 50
Gasoline	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20
Heavy-Oil-Range Hydrocarbons	< 100	< 100	< 100	---	< 100	< 100	< 100	< 100	< 100
TPH (as motor oil) (E5030-8015)	---	---	---	1300	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)									
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 50	< 50	< 50	---	< 50	< 50	< 50	< 50	< 50
Polycyclic Aromatic Hydrocarbons (ug/kg)									
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Acenaphthylene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Anthracene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Benzo(a)anthracene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Benzo(a)pyrene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Benzo(b)fluoranthene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Benzo(ghi)perylene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Benzo(k)fluoranthene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Chrysene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Dibenzo(a,h)anthracene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Fluoranthene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Fluorene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Indeno(1,2,3-cd)pyrene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 10	< 10	< 10	---	< 10	22	< 10	< 10	< 10
Phenanthrene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10
Pyrene	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10

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Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-8	B-8	B-9	B-9	B-9	S-1	SS-37	SS-38	SS-39
Sample Collection Date	04/06/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000	06/17/2010	06/17/2010	06/17/2010
Sample Depth (feet bgs)	2.5	10	2.5	5	10	0	0	0	0
Metals (mg/kg)									
Arsenic	---	---	3.8	---	---	---	7.2	8.32	9.81
Barium	---	---	118	---	---	---	---	---	---
Cadmium	---	---	< 0.2	---	---	---	---	---	---
Chromium	---	---	18.2	---	---	---	14.5	19.7	14.7
Copper	---	---	---	---	---	---	14.1	38.9	10.6
Lead	---	---	27.4	---	---	---	---	---	---
Mercury	---	---	< 0.1	---	---	---	---	---	---
Selenium	---	---	< 1	---	---	---	---	---	---
Silver	---	---	< 0.3	---	---	---	---	---	---
Zinc	---	---	---	---	---	---	161	153	93.9
Dioxins and Furans (ng/kg)									
1,2,3,4,6,7,8-HpCDD	---	---	---	---	---	---	1000	1400	110
1,2,3,4,6,7,8-HpCDF	---	---	---	---	---	---	140	150	22
1,2,3,4,7,8,9-HpCDF	---	---	---	---	---	---	10	14	1.4
1,2,3,4,7,8-HxCDD	---	---	---	---	---	---	10	15	1.3
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	23	28	2.7
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	56	62	5.5
1,2,3,4,7,8-HxCDF	---	---	---	---	---	---	23	28	2.7
1,2,3,6,7,8-HxCDD	---	---	---	---	---	---	56	62	5.5
1,2,3,6,7,8-HxCDF	---	---	---	---	---	---	14	15	1.9
1,2,3,7,8,9-HxCDD	---	---	---	---	---	---	30	36	3.2
1,2,3,7,8,9-HxCDF	---	---	---	---	---	---	6.1	6.6	0.95
1,2,3,7,8-PeCDD	---	---	---	---	---	---	7.1	8.3	0.95
1,2,3,7,8-PeCDF	---	---	---	---	---	---	3.9	5	0.75
2,3,4,6,7,8-HxCDF	---	---	---	---	---	---	13	20	2.7
2,3,4,7,8-PeCDF	---	---	---	---	---	---	14	13	3
2,3,7,8-TCDD	---	---	---	---	---	---	0.67	0.55	< 0.13
2,3,7,8-TCDF	---	---	---	---	---	---	2.3	2.3	< 0.35
OCDD	---	---	---	---	---	---	6200	8900	700
OCDF	---	---	---	---	---	---	200	230	40
Total HpCDDs	---	---	---	---	---	---	1700	2500	180
Total HpCDFs	---	---	---	---	---	---	150	160	60
Total HpCDFs	---	---	---	---	---	---	---	---	---
Total HxCDDs	---	---	---	---	---	---	280	370	30
Total HxCDFs	---	---	---	---	---	---	220	210	33
Total PeCDDs	---	---	---	---	---	---	34	42	4
Total PeCDFs	---	---	---	---	---	---	110	120	29
Total TCDDs	---	---	---	---	---	---	8.9	12	< 0.13
Total TCDFs	---	---	---	---	---	---	30	35	9.1
TEQ using WHO 2005	---	---	---	---	---	---	41	50	5.3
Petroleum Hydrocarbons (mg/kg)									
C10-C22 Diesel-Range Organics	---	---	---	---	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---	---	---	---	---

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Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	B-8	B-8	B-9	B-9	B-9	S-1	SS-37	SS-38	SS-39
Sample Collection Date	04/06/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000	04/06/2000	06/17/2010	06/17/2010	06/17/2010
Sample Depth (feet bgs)	2.5	10	2.5	5	10	0	0	0	0
Diesel	< 50	< 50	< 50	---	< 50	< 50	---	---	---
Gasoline	< 20	< 20	< 20	---	< 20	< 20	---	---	---
Heavy-Oil-Range Hydrocarbons	< 100	< 100	< 100	---	< 100	< 100	---	---	---
TPH (as motor oil) (E5030-8015)	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)									
2,3,4,6-Tetrachlorophenol	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---
Pentachlorophenol	< 50	< 50	< 50	< 50	< 50	< 50	< 19.9	< 19.8	< 18.4
Polycyclic Aromatic Hydrocarbons (ug/kg)									
1-Methylnaphthalene	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---
Acenaphthene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Acenaphthylene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Anthracene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Benzo(a)anthracene	< 10	< 10	13	< 10	< 10	< 10	< 8.86	< 8.81	8.19
Benzo(a)pyrene	< 10	< 10	13	< 10	< 10	< 10	< 8.86	13.2	9.83
Benzo(b)fluoranthene	< 10	< 10	18	< 10	< 10	< 10	< 8.86	14.1	16.4
Benzo(ghi)perylene	< 10	< 10	11	< 10	< 10	< 10	< 8.86	20.3	12.3
Benzo(k)fluoranthene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Chrysene	< 10	< 10	16	< 10	< 10	< 10	< 8.86	< 8.81	12.3
Dibenzo(a,h)anthracene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Fluoranthene	< 10	< 10	35	< 10	< 10	< 10	< 8.86	10.6	39.3
Fluorene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Indeno(1,2,3-cd)pyrene	< 10	< 10	< 10	< 10	< 10	< 10	< 8.86	13.2	9.01
Naphthalene	< 10	< 10	23	< 10	< 10	< 10	< 8.86	< 8.81	< 8.19
Phenanthrene	< 10	< 10	27	< 10	< 10	< 10	< 8.86	< 8.81	18
Pyrene	< 10	< 10	35	< 10	< 10	< 10	< 8.86	11.4	27

Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-41	SS-42	SS-6	TP-21	TP-21
Sample Collection Date	08/09/2010	08/10/2010	07/17/2008	05/03/1993	05/03/1993
Sample Depth (feet bgs)	0	0	0.3	0.5	5
Metals (mg/kg)					
Arsenic	---	---	2.78	4	3.5
Barium	---	---	---	---	---
Cadmium	---	---	---	---	---
Chromium	---	---	18.2	11.7	21
Copper	---	---	19.5	10.4	17
Lead	---	---	---	---	---
Mercury	---	---	---	---	---
Selenium	---	---	---	---	---
Silver	---	---	---	---	---
Zinc	---	---	67.6	---	---
Dioxins and Furans (ng/kg)					
1,2,3,4,6,7,8-HpCDD	460	2400	970	---	---
1,2,3,4,6,7,8-HpCDF	76	370	160	---	---
1,2,3,4,7,8,9-HpCDF	5.8	26	15	---	---
1,2,3,4,7,8-HxCDD	6.3	37	7.1	---	---
1,2,3,4,7,8-HxCDF	< 16	< 86	43	---	---
1,2,3,6,7,8-HxCDD	25	150	45	---	---
1,2,3,6,7,8-HxCDF	7.3	44	< 17.0	---	---
1,2,3,7,8,9-HxCDD	15	74	25	---	---
1,2,3,7,8,9-HxCDF	3.8	19	13	---	---
1,2,3,7,8-PeCDD	2.9	20	3.9	---	---
1,2,3,7,8-PeCDF	2.5	12	3.9	---	---
2,3,4,6,7,8-HxCDF	7.4	44	15	---	---
2,3,4,7,8-PeCDF	5.8	35	9.6	---	---
2,3,7,8-TCDD	< 0.23	1.1	< 0.65	---	---
2,3,7,8-TCDF	< 0.7	4.1	< 1.4	---	---
OCDD	3300	15000	7800	---	---
OCDF	84	330	410	---	---
Total HpCDDs	860	4400	1800	---	---
Total HpCDFs	190	860	170	---	---
Total HpCDFs	---	---		---	---
Total HxCDDs	140	950	210	---	---
Total HxCDFs	180	970	270	---	---
Total PeCDDs	12	120	14	---	---
Total PeCDFs	70	430	63	---	---
Total TCDDs	1.1	13	2.1	---	---
Total TCDFs	4.2	57	5.6	---	---
TEQ using WHO 2005	19	110	36	---	---
Petroleum Hydrocarbons (mg/kg)					
C10-C22 Diesel-Range Organics	---	---	---	---	---
C4-C12 Gasoline-Range Organics	---	---	---	---	---

Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

Sample ID	SS-41	SS-42	SS-6	TP-21	TP-21
Sample Collection Date	08/09/2010	08/10/2010	07/17/2008	05/03/1993	05/03/1993
Sample Depth (feet bgs)	0	0	0.3	0.5	5
Diesel	---	---	---	---	---
Gasoline	---	---	---	---	---
Heavy-Oil-Range Hydrocarbons	---	---	---	---	---
TPH (as motor oil) (E5030-8015)	---	---	---	---	---
Semivolatile Organic Compounds (ug/kg)					
2,3,4,6-Tetrachlorophenol	---	---	---	< 30	---
2,4,5-Trichlorophenol	---	---	---	< 30	---
2,4,6-Trichlorophenol	---	---	---	< 30	---
Pentachlorophenol	---	---	53.2	77	---
Polycyclic Aromatic Hydrocarbons (ug/kg)					
1-Methylnaphthalene	---	---	< 6.95	---	---
2-Methylnaphthalene	---	---	< 6.95	---	---
Acenaphthene	---	---	< 6.95	---	---
Acenaphthylene	---	---	< 6.95	---	---
Anthracene	---	---	12.5	---	---
Benzo(a)anthracene	---	---	13.2	---	---
Benzo(a)pyrene	---	---	18.1	---	---
Benzo(b)fluoranthene	---	---	47.3	---	---
Benzo(ghi)perylene	---	---	20.9	---	---
Benzo(k)fluoranthene	---	---	11.8	---	---
Chrysene	---	---	26.4	---	---
Dibenzo(a,h)anthracene	---	---	6.95	---	---
Fluoranthene	---	---	32.7	---	---
Fluorene	---	---	< 6.95	---	---
Indeno(1,2,3-cd)pyrene	---	---	14.6	---	---
Naphthalene	---	---	< 6.95	---	---
Phenanthrene	---	---	13.9	---	---
Pyrene	---	---	26.4	---	---

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Table A-5
Port Marina and Railroad Avenue Analytical Results
Port of Ridgefield
Ridgefield, Washington

NOTES:
--- = not analyzed.
bgs = below ground surface.
mg/kg = milligrams per kilogram.
ng/kg = nanograms per kilogram.
TEQ = toxicity equivalent. Calculated using World Health Organization 2005 methodology.
TPH = total petroleum hydrocarbons.
ug/kg = micrograms per kilogram.

APPENDIX B

RAILROAD AVENUE AND PORT MARINA PROPERTY
SAMPLE ANALYTICAL RESULTS

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	1,2,3,4,6,7,8-HpCDD		1,2,3,4,6,7,8-HpCDF		1,2,3,4,7,8,9-HpCDF		1,2,3,4,7,8-HxCDD		1,2,3,4,7,8-HxCDF	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B1	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
S-1	04/06/2000	0	--	--	--	--	--	--	--	--	--	--
SS-37	06/17/2010	0	1000000	--	140000	--	10000	--	10000	--	23000	--
SS-38	06/17/2010	0	1400000	--	150000	--	14000	--	15000	--	28000	--
SS-39	06/17/2010	0	110000	--	22000	--	1400	J	1300	J	2700	J
SS-41	08/09/2010	0	460000	--	76000	--	5800	--	6300	--	16000	U
SS-42	08/10/2010	0	2400000	--	370000	--	26000	--	37000	--	86000	U
SS-6	07/17/2008	0.3	970000	--	160000	--	15000	--	7100	--	43000	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	1,2,3,6,7,8-HxCDD		1,2,3,6,7,8-HxCDF		1,2,3,7,8,9-HxCDD		1,2,3,7,8,9-HxCDF		1,2,3,7,8-PeCDD	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B1	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
S-1	04/06/2000	0	--	--	--	--	--	--	--	--	--	--
SS-37	06/17/2010	0	56000	--	14000	--	30000	--	6100	--	7100	--
SS-38	06/17/2010	0	62000	--	15000	--	36000	--	6600	--	8300	--
SS-39	06/17/2010	0	5500	--	1900	J	3200	J	950	J	950	J
SS-41	08/09/2010	0	25000	--	7300	--	15000	--	3800	J	2900	J
SS-42	08/10/2010	0	150000	--	44000	--	74000	--	19000	--	20000	--
SS-6	07/17/2008	0.3	45000	--	17000	U	25000	--	13000	--	3900	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	1,2,3,7,8-PeCDF		1-Methylnaphthalene		2,3,4,6,7,8-HxCDF		2,3,4,6-Tetrachlorophenol		2,3,4,7,8-PeCDF	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B1	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
S-1	04/06/2000	0	--	--	--	--	--	--	--	--	--	--
SS-37	06/17/2010	0	3900	J	--	--	13000	--	--	--	14000	--
SS-38	06/17/2010	0	5000	--	--	--	20000	--	--	--	13000	--
SS-39	06/17/2010	0	750	J	--	--	2700	J	--	--	3000	J
SS-41	08/09/2010	0	2500	J	--	--	7400	--	--	--	5800	--
SS-42	08/10/2010	0	12000	--	--	--	44000	--	--	--	35000	--
SS-6	07/17/2008	0.3	3900	--	6.95	U	15000	--	--	--	9600	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	30	U	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	2,3,7,8-TCDD		2,3,7,8-TCDF		2,4,5-Trichlorophenol		2,4,6-Trichlorophenol		2-Methylnaphthalene	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B1	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
S-1	04/06/2000	0	--	--	--	--	--	--	--	--	--	--
SS-37	06/17/2010	0	670	J	2300	--	--	--	--	--	--	--
SS-38	06/17/2010	0	550	J	2300	--	--	--	--	--	--	--
SS-39	06/17/2010	0	130	U	350	U	--	--	--	--	--	--
SS-41	08/09/2010	0	230	U	700	U	--	--	--	--	--	--
SS-42	08/10/2010	0	1100	--	4100	--	--	--	--	--	--	--
SS-6	07/17/2008	0.3	650	U	1400	U	--	--	--	--	6.95	U
TP-21	05/03/1993	0.5	--	--	--	--	30	U	30	U	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Acenaphthene		Acenaphthylene		Anthracene		Arsenic		Barium	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B1	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
B2	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B2	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B3	04/06/2000	2.5	10	U	10	U	10	U	4400	--	163000	--
B3	04/06/2000	5	10	U	10	U	10	U	--	--	--	--
B4	04/06/2000	2.5	10	U	10	U	10	U	6300	--	336000	--
B4	04/06/2000	5	10	U	10	U	10	U	--	--	--	--
B4	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
B5	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B5	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
B6	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B6	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
B7	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B7	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
B8	04/06/2000	2.5	10	U	10	U	10	U	--	--	--	--
B8	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
B9	04/06/2000	2.5	10	U	10	U	10	U	3800	--	118000	--
B9	04/06/2000	5	10	U	10	U	10	U	--	--	--	--
B9	04/06/2000	10	10	U	10	U	10	U	--	--	--	--
S-1	04/06/2000	0	10	U	10	U	10	U	--	--	--	--
SS-37	06/17/2010	0	8.86	U	8.86	U	8.86	U	7200	--	--	--
SS-38	06/17/2010	0	8.81	U	8.81	U	8.81	U	8320	--	--	--
SS-39	06/17/2010	0	8.19	U	8.19	U	8.19	U	9810	--	--	--
SS-41	08/09/2010	0	--	--	--	--	--	--	--	--	--	--
SS-42	08/10/2010	0	--	--	--	--	--	--	--	--	--	--
SS-6	07/17/2008	0.3	6.95	U	6.95	U	12.5	--	2780	--	--	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	4000	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	3500	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(ghi)perylene		Benzo(k)fluoranthene	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B1	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
B2	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B2	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B3	04/06/2000	2.5	15	U	17	U	38	--	20	--	10	U
B3	04/06/2000	5	10	U	10	U	10	U	10	U	10	U
B4	04/06/2000	2.5	10	U	10	U	19	--	10	U	10	U
B4	04/06/2000	5	10	U	10	U	10	U	10	U	10	U
B4	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
B5	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B5	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
B6	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B6	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
B7	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B7	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
B8	04/06/2000	2.5	10	U	10	U	10	U	10	U	10	U
B8	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
B9	04/06/2000	2.5	13	U	13	U	18	--	11	--	10	U
B9	04/06/2000	5	10	U	10	U	10	U	10	U	10	U
B9	04/06/2000	10	10	U	10	U	10	U	10	U	10	U
S-1	04/06/2000	0	10	U	10	U	10	U	10	U	10	U
SS-37	06/17/2010	0	8.86	U	8.86	U	8.86	U	8.86	U	8.86	U
SS-38	06/17/2010	0	8.81	U	13.2	--	14.1	--	20.3	--	8.81	U
SS-39	06/17/2010	0	8.19	--	9.83	--	16.4	--	12.3	--	8.19	U
SS-41	08/09/2010	0	--	--	--	--	--	--	--	--	--	--
SS-42	08/10/2010	0	--	--	--	--	--	--	--	--	--	--
SS-6	07/17/2008	0.3	13.2	--	18.1	--	47.3	--	20.9	--	11.8	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Cadmium		Chromium		Chrysene		Copper		Dibenzo(a,h)anthracene	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B1	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
B2	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B2	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B3	04/06/2000	2.5	530	--	--	--	22	--	--	--	10	U
B3	04/06/2000	5	--	--	--	--	10	U	--	--	10	U
B4	04/06/2000	2.5	200	U	--	--	10	U	--	--	10	U
B4	04/06/2000	5	--	--	--	--	10	U	--	--	10	U
B4	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
B5	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B5	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
B6	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B6	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
B7	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B7	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
B8	04/06/2000	2.5	--	--	--	--	10	U	--	--	10	U
B8	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
B9	04/06/2000	2.5	200	U	--	--	16	--	--	--	10	U
B9	04/06/2000	5	--	--	--	--	10	U	--	--	10	U
B9	04/06/2000	10	--	--	--	--	10	U	--	--	10	U
S-1	04/06/2000	0	--	--	--	--	10	U	--	--	10	U
SS-37	06/17/2010	0	--	--	14500	--	8.86	U	14100	--	8.86	U
SS-38	06/17/2010	0	--	--	19700	--	8.81	U	38900	--	8.81	U
SS-39	06/17/2010	0	--	--	14700	--	12.3	--	10600	--	8.19	U
SS-41	08/09/2010	0	--	--	--	--	--	--	--	--	--	--
SS-42	08/10/2010	0	--	--	--	--	--	--	--	--	--	--
SS-6	07/17/2008	0.3	--	--	18200	--	26.4	--	19500	--	6.95	--
TP-21	05/03/1993	0.5	--	--	11700	--	--	--	10400	--	--	--
TP-21	05/03/1993	5	--	--	21000	--	--	--	17000	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Diesel		Dioxin TEQ (Mammals)	Endosulfan II	Fluoranthene		Fluorene		Gasoline	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B1	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
B2	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B2	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B3	04/06/2000	2.5	50000	U	--	--	29	--	10	U	20000	U
B3	04/06/2000	5	50000	U	--	--	10	U	10	U	20000	U
B4	04/06/2000	2.5	50000	U	--	--	12	--	10	U	20000	U
B4	04/06/2000	5	50000	U	--	--	10	U	10	U	20000	U
B4	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
B5	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B5	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
B6	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B6	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
B7	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B7	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
B8	04/06/2000	2.5	50000	U	--	--	10	U	10	U	20000	U
B8	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
B9	04/06/2000	2.5	50000	U	--	--	35	--	10	U	20000	U
B9	04/06/2000	5	50000	U	--	--	10	U	10	U	20000	U
B9	04/06/2000	10	50000	U	--	--	10	U	10	U	20000	U
S-1	04/06/2000	0	50000	U	--	--	10	U	10	U	20000	U
SS-37	06/17/2010	0	--	--	0.041	--	8.86	U	8.86	U	--	--
SS-38	06/17/2010	0	--	--	0.05	--	10.6	--	8.81	U	--	--
SS-39	06/17/2010	0	--	--	0.0053	--	39.3	--	8.19	U	--	--
SS-41	08/09/2010	0	--	--	0.019	--	--	--	--	--	--	--
SS-42	08/10/2010	0	--	--	0.11	--	--	--	--	--	--	--
SS-6	07/17/2008	0.3	--	--	0.037	--	32.7	--	6.95	U	--	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Indeno(1,2,3-cd)pyrene		Lead		Mercury		Naphthalene		OCDD	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	10	U	--	--	--	--	10	U	--	--
B1	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
B2	04/06/2000	2.5	10	U	--	--	--	--	10	U	--	--
B2	04/06/2000	2.5	10	U	--	--	--	--	10	U	--	--
B3	04/06/2000	2.5	16	--	38300	--	100	U	39	--	--	--
B3	04/06/2000	5	10	U	--	--	--	--	10	U	--	--
B4	04/06/2000	2.5	10	U	53300	--	100	U	13	--	--	--
B4	04/06/2000	5	10	U	--	--	--	--	10	U	--	--
B4	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
B5	04/06/2000	2.5	10	U	--	--	--	--	10	U	--	--
B5	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
B6	04/06/2000	2.5	10	U	--	--	--	--	22	--	--	--
B6	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
B7	04/06/2000	2.5	10	U	--	--	--	--	10	U	--	--
B7	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
B8	04/06/2000	2.5	10	U	--	--	--	--	10	U	--	--
B8	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
B9	04/06/2000	2.5	10	U	27400	--	100	U	23	--	--	--
B9	04/06/2000	5	10	U	--	--	--	--	10	U	--	--
B9	04/06/2000	10	10	U	--	--	--	--	10	U	--	--
S-1	04/06/2000	0	10	U	--	--	--	--	10	U	--	--
SS-37	06/17/2010	0	8.86	U	--	--	--	--	8.86	U	6200000	J
SS-38	06/17/2010	0	13.2	--	--	--	--	--	8.81	U	8900000	J
SS-39	06/17/2010	0	9.01	--	--	--	--	--	8.19	U	700000	--
SS-41	08/09/2010	0	--	--	--	--	--	--	--	--	3300000	--
SS-42	08/10/2010	0	--	--	--	--	--	--	--	--	15000000	--
SS-6	07/17/2008	0.3	14.6	--	--	--	--	--	6.95	U	7800000	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	OCDF		Oil		Pentachlorophenol		Phenanthrene		Pyrene	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B1	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
B2	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B2	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B3	04/06/2000	2.5	--	--	100000	U	100	U	18	--	35	--
B3	04/06/2000	5	--	--	100000	U	50	U	10	U	10	U
B4	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B4	04/06/2000	5	--	--	100000	U	50	U	10	U	10	U
B4	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
B5	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B5	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
B6	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B6	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
B7	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B7	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
B8	04/06/2000	2.5	--	--	100000	U	50	U	10	U	10	U
B8	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
B9	04/06/2000	2.5	--	--	100000	U	50	U	27	--	35	--
B9	04/06/2000	5	--	--	100000	U	50	U	10	U	10	U
B9	04/06/2000	10	--	--	100000	U	50	U	10	U	10	U
S-1	04/06/2000	0	--	--	100000	U	50	U	10	U	10	U
SS-37	06/17/2010	0	200000	--	--	--	19.9	U	8.86	U	8.86	U
SS-38	06/17/2010	0	230000	--	--	--	19.8	U	8.81	U	11.4	--
SS-39	06/17/2010	0	40000	--	--	--	18.4	U	18	--	27	--
SS-41	08/09/2010	0	84000	--	--	--	--	--	--	--	--	--
SS-42	08/10/2010	0	330000	--	--	--	--	--	--	--	--	--
SS-6	07/17/2008	0.3	410000	--	--	--	53.2	--	13.9	--	26.4	--
TP-21	05/03/1993	0.5	--	--	--	--	77	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Selenium		Silver		Total HpCDDs		Total HpCDFs		Total HxCDDs	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B1	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	2.5	1000	U	300	U	--	--	--	--	--	--
B3	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	2.5	1000	U	300	U	--	--	--	--	--	--
B4	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	2.5	1000	U	300	U	--	--	--	--	--	--
B9	04/06/2000	5	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	10	--	--	--	--	--	--	--	--	--	--
S-1	04/06/2000	0	--	--	--	--	--	--	--	--	--	--
SS-37	06/17/2010	0	--	--	--	--	1700000	--	150000	--	280000	--
SS-38	06/17/2010	0	--	--	--	--	2500000	--	160000	--	370000	--
SS-39	06/17/2010	0	--	--	--	--	180000	--	60000	--	30000	--
SS-41	08/09/2010	0	--	--	--	--	860000	--	190000	--	140000	--
SS-42	08/10/2010	0	--	--	--	--	4400000	--	860000	--	950000	--
SS-6	07/17/2008	0.3	--	--	--	--	1800000	--	170000	--	210000	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--

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Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

		Analyte	Total HxCDFs		Total PeCDDs		Total PeCDFs		Total TCDDs		Total TCDFs		Zinc	
Sample Location	Sample Date	Depth (ft bgs)	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
B1	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B1	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B2	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B3	04/06/2000	5	--	--	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	5	--	--	--	--	--	--	--	--	--	--	--	--
B4	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B5	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B6	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B7	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B8	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	5	--	--	--	--	--	--	--	--	--	--	--	--
B9	04/06/2000	10	--	--	--	--	--	--	--	--	--	--	--	--
S-1	04/06/2000	0	--	--	--	--	--	--	--	--	--	--	--	--
SS-37	06/17/2010	0	220000	--	34000	--	110000	--	8900	--	30000	--	161000	--
SS-38	06/17/2010	0	210000	--	42000	--	120000	--	12000	--	35000	--	153000	--
SS-39	06/17/2010	0	33000	--	4000	J	29000	--	130	U	9100	--	93900	--
SS-41	08/09/2010	0	180000	--	12000	--	70000	--	1100	--	4200	--	--	--
SS-42	08/10/2010	0	970000	--	120000	--	430000	--	13000	--	57000	--	--	--
SS-6	07/17/2008	0.3	270000	--	14000	--	63000	--	2100	--	5600	--	67600	--
TP-21	05/03/1993	0.5	--	--	--	--	--	--	--	--	--	--	--	--
TP-21	05/03/1993	5	--	--	--	--	--	--	--	--	--	--	--	--

Table B
Railroad Avenue and Marina Property Analytical Results for Soil (ug/kg)
Port of Ridgefield
Ridgefield, Washington

NOTES:
-- = not analyzed.
ft bgs = feet below ground surface.
J = Reporting limit is an estimate.
Q = qualifier.
U = not detected at or above method reporting limit.
ug/kg = micrograms per kilogram.

APPENDIX C

SAMPLING AND ANALYSIS PLAN

SAMPLING AND ANALYSIS PLAN

FORMER PACIFIC WOOD TREATING CO. SITE
FACILITY ID 1019, CLEANUP SITE ID 3020

Prepared for
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON
June 9, 2021
Project No. 9003.01.55

Prepared by
Maul Foster & Alongi, Inc.
109 East 13th Street, Vancouver, WA 98660

MAUL
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ALONGI

SAMPLING AND ANALYSIS PLAN
FORMER PACIFIC WOOD TREATING CO. SITE
FACILITY ID 1019, CLEANUP SITE ID 3020

The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

Phil Wiescher, PhD
Senior Environmental Scientist

Josh Elliott, PE
Senior Engineer

CONTENTS

TABLES

FOLLOWING PLAN:

TABLES

ACRONYMS AND ABBREVIATIONS

CLARC	Cleanup Levels and Risk Calculation
COC	chain of custody
CUL	cleanup level
dioxins	chlorinated dibenzo-p-dioxins and dibenzofurans
DRO	diesel-range organic
Ecology	Washington State Department of Ecology
GRO	gasoline-range organic
HCID	hydrocarbon identification
IDW	investigation-derived waste
IHS	indicator hazardous substances
LCS	laboratory control sample
LDS	laboratory duplicate sample
LRIS	Lake River Industrial Site
MFA	Maul Foster & Alongi, Inc.
MS/MSD	matrix spike and matrix spike duplicate
MTCA	Model Toxics Control Act
NWTPH	Northwest Total Petroleum Hydrocarbons
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCP	pentachlorophenol
Port	Port of Ridgefield
QA	quality assurance
QC	quality control
RRO	residual-range organic
SAP	Sampling and Analysis Plan
SIM	selective ion monitoring
SMCMP	Soil Management and Cap Maintenance Plan
SVOC	semivolatile organic compound
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1 INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this sampling and analysis plan (SAP) on behalf of the Port of Ridgefield (Port) to describe the methods and procedures for collecting and analyzing soil that is proposed for use as clean capping material, as well as soil that is intended for off-site disposal. The guidance presented in this SAP is applicable for soil sampling and analysis activities that are required for the Lake River Industrial Site (LRIS) (also known as Miller's Landing), the Railroad Avenue property, the Port Marina property, and the Railroad Overpass property as defined in the Soil Management and Cap Maintenance Plan, to which this document is an appendix.

1.1 Sampling and Analysis Objectives

The objective of this SAP is to establish procedures for collection of data sufficient for their intended use. This SAP describes methods that will be used to achieve the following objectives:

- To analyze soil for indicator hazardous substances (IHSs) to determine the appropriate off-site disposal method. Sample results will be compared to the relevant Model Toxics Control Act (MTCA) soil cleanup levels (CULs) found in the Washington State Department of Ecology's (Ecology) Cleanup Levels and Risk Calculation (CLARC) database at the time of sampling and analysis.
- To ensure that imported soil capping material is not contaminated at concentrations higher than the relevant MTCA soil CULs found in the CLARC database at the time of sampling and analysis.
- To provide suitable sampling techniques, sample analysis methods, and data verification procedures that ensure data quality.

Samples will be collected as described in Section 2 of this SAP. Following sample collection, samples will be submitted for analysis and screened against CULs, consistent with Section 3. The quality of the data should be evaluated, using the standard data validation protocols presented in Section 4, before off-site disposal or acceptance as clean fill.

2 SAMPLE PROGRAM DESIGN

Procedures to be followed for specific scenarios are provided in this section.

2.1 Sampling of Excavated Soils for Off-Site Disposal

Soil should be stockpiled to facilitate the sampling method and organization. Composite sampling will best characterize each stockpile to complete a waste profile for the landfill. To address variability of the soil, choose the most representative stockpile volume and number of samples appropriate for the area in question. The disposal facility may be consulted to determine the minimum needed for waste-profiling purposes.

A representative soil sample will be collected by compositing five subsamples of the material source. The sampler will dig to a depth of 1 foot with a clean shovel and will collect the subsample by hand with clean, disposable gloves. Gloves will be changed, and the shovel will be decontaminated between composited samples, consistent with the procedures specified in Section 2.3. Subsamples will be selected to obtain representative material, based on visual inspection and best professional judgment. To the extent possible, subsamples should consist of fine-particle-sized material, with larger rocks removed. Subsamples will be homogenized in a clean container (e.g., a decontaminated stainless-steel bowl or a dedicated container) before being transferred into laboratory-supplied, 16-ounce glass jars. Glass jars are to be preserved as specified in Table 2-1 and samples are to be analyzed as described in Section 3.1.

2.2 Sampling of Imported Soil Cap Material

Soil imported to the site to be used as clean cap material should be tested prior to acceptance. Soil will be sampled and analyzed before delivery to the site to certify that it meets the design acceptance criteria. The contractor or contractor's designee will complete soil sampling at the minimum frequency specified by the contract documents. The number of samples required will be based on the likelihood of contamination present, estimated amount of fill needed, and homogeneity of the fill source. For each volume of soil represented by a composite sample, the material should be tracked in a manner that allows rejection of the material if necessary, based on representative analytical results.

A representative soil sample will be collected by compositing, at a minimum, five subsamples of the material at the source. The sampler will dig to a depth of 1 foot with a clean shovel and will collect the subsample by hand with clean, disposable gloves. Gloves will be changed, and the shovel will be decontaminated between composited samples, consistent with the procedures specified in Section 2.3. Subsamples will be selected to obtain a representative sample, based on visual inspection and best professional judgment. To the extent possible, subsamples should consist primarily of fine-particle-sized material, with larger rocks removed. Subsamples will be homogenized in a clean container (e.g., a decontaminated stainless-steel bowl or a dedicated container) before being transferred into laboratory-supplied, 16-ounce glass jars.

2.3 Decontamination

Sampling equipment will be decontaminated at a location away from surface water, but near the sampling location (i.e., equipment will not be removed from the site to be decontaminated). Sampling equipment will be decontaminated using the following procedure:

- Rinse with clean tap or deionized water.
- Wash with nonphosphate detergent.
- Rinse with deionized water.
- Air dry.

All liquids used to decontaminate equipment will be considered investigation-derived waste (IDW) and will be disposed of as outlined in the following section.

2.4 Investigation-Derived Waste

IDW may include soil cuttings and decontamination fluids. The IDW will be segregated (e.g., soil and water will be containerized separately). Drums (tops and sides) will be labeled with their contents, the volume of material, the date of collection, and the origin of the material. At the end of each workday, the drums will be sealed and transferred to a designated secured area on the property, where they will be stored pending waste profiling, transport, and off-site disposal at a permitted facility.

2.5 Sample Handling, Preservation, and Custody

The samples will be placed on ice in a shipping container with chain-of-custody (COC) paperwork and transported to an accredited laboratory for analysis. Samples should be preserved according to the requirements in Table 2-1, attached.

3 ANALYTICAL PROCEDURES AND QUALITY ASSURANCE CRITERIA

Samples that have been collected following the procedures in Section 2 will be analyzed following the methods presented in this section. Analytical results will be evaluated relative to CULs. Additional details on the analytical methods, quality control (QC) procedures required by the laboratory, and screening levels are provided below.

The IHSs were contaminants of concern on the properties in the past. IHSs vary across properties. The IHSs for the LRIS are:

- Metals: arsenic, barium, chromium, copper, and zinc

- Polycyclic aromatic hydrocarbons (PAHs), including carcinogenic PAHs: 2-methylnaphthalene, acenaphthene, anthracene, fluoranthene, fluorene, naphthalene, pyrene
- Semivolatile organic compounds (SVOCs): dibenzofuran
- Volatile organic compounds (VOCs): 1,1,2,2-tetrachloroethane, 1,2,4-trimethylbenzene, styrene
- Chlorinated phenolics: pentachlorophenol (PCP)
- Petroleum hydrocarbons: diesel-range organics (DROs), residual-range organics (RROs), gasoline-range organics (GROs)
- Chlorinated dibenzo-p-dioxins and dibenzofurans (dioxins)

IHSs for the Railroad Avenue, Railroad Overpass properties, and Port Marina property are limited to dioxins. IHSs and associated CULs can be found in Table 3-1.

3.1 Analytical Methods for Excavated Soils

It is the responsibility of the party generating the impacted soil to verify current disposal requirements with the disposal facility. Soil excavated from the LRIS (Cells 1, 2, 3, and 4) during construction activities and intended for off-site disposal requires the following analyses, based on the associated waste codes and IHSs:[1]

- PAHs and SVOCs, including acenaphthene, anthracene, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, PCP, phenanthrene, pyrene, and styrene by U.S. Environmental Protection Agency (USEPA) Method 8270 selected ion monitoring (SIM)
- 1,1,2,2-Tetrachloroethane, 1,2,4-trimethylbenzene, and styrene by USEPA Method 8260
- Dioxin/furans by USEPA Method 1613B
- Arsenic, chromium, and lead by toxicity characteristic leaching procedure USEPA Method 1311

Soil excavated from the Railroad Avenue property, Railroad Overpass Property and Port Marina property during construction activities requires the following analysis:

- Dioxin/furans by USEPA Method 1613B

Environmental analytical results will be compared to CULs provided in Table 3-1.

[1] Analysis for petroleum hydrocarbons is not required because they are not associated with the waste codes and there are no applicable MTCA screening values.

3.1.1 Screening Levels for Excavated Soils

A comparison of IHS concentrations with soil CULs will determine the characterization and handling requirements. Soil CULs are provided in Table 3-1. The laboratory should be notified of the required reporting limits for proper sample screening.

3.2 Analytical Methods for Imported Clean Soil Cap Material

Soil intended for use as clean cap material requires the following analyses, at a minimum (note that additional analyses may be requested by the Port or Ecology, upon their obtaining information about the location and/or prior use of the intended fill source):

- Petroleum hydrocarbons by Northwest Total Petroleum Hydrocarbons (NWTPH) hydrocarbon identification (HCID) method
- Thirteen priority pollutant metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) by USEPA Method 6020/7471

If hydrocarbons are detected by the HCID analysis, follow up quantification testing will be required as described below:

- GRO detections by HCID require follow up analyses of:
  - GROs by NWTPH-Gx
  - VOCs, including benzene, ethylbenzene, toluene, xylene, 1,2-dibromoethane, 1-2-dichloroethane, and methyl tertiary-butyl ether by USEPA Method 8260
- DRO detections by HCID require follow up analyses of:
  - DROs by NWTPH-Dx
  - PAHs by USEPA Method 8270 SIM
  - Polychlorinated biphenyls (PCBs) by USEPA Method 8082
- RRO detections by HCID require follow up analyses of:
  - RROs by NWTPH-Dx
  - VOCs, including 1,2-dibromoethane, 1,2-dichloroethane, methyl tertiary-butyl ether, and halogenated VOCs, by USEPA Method 8260
  - PCBs by USEPA Method 8082

Additional testing may be required in order to determine the physical characteristics of the soil for geotechnical engineering purposes. Environmental analytical results will be compared to the criteria described in Section 3.2.1.

3.2.1 Screening Levels for Imported Materials

Sample results for the analytes listed above must be below the lowest MTCA soil CULs found in the CLARC database at the time of sampling and analysis. The laboratory should be notified of the required reporting limits for proper sample screening.

3.3 Laboratory Quality Control Procedures

The laboratory will follow the QC procedures required by each analytical method. The laboratory QC will be used to assess the accuracy and precision of the laboratory analysis. The QC procedures that may be required by the method are described below. The acceptance criteria established by the analytical laboratory and the guidelines referenced in Section 4.2 of this SAP will be used to assess the suitability of laboratory QC.

3.3.1 Calibration Verification

Instruments will initially be calibrated at the start of the project or sample run, as required, and when any ongoing calibration does not meet control criteria. The number of points used in the initial calibration is defined in the analytical method. Calibration will be continued as specified in the analytical method to track instrument performance. If a continuing calibration does not meet control limits, analysis of project samples will be suspended until the source of the control failure is either eliminated or reduced to within control specifications. Any project samples analyzed while the instrument was outside control limits will be reanalyzed.

3.3.2 Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate (MS/MSD) samples are analyzed to assess the matrix effects on the accuracy of analytical measurements. MS/MSD samples will be prepared by spiking investigative samples with known amounts of analytes before extraction, preparation, and analysis. The MS/MSD samples will be used to assess accuracy and precision of the analytical method by measuring the target compounds' recovery in the investigative matrices.

3.3.3 Method Blanks

Method blanks are prepared using analyte-free (reagent) water and are processed with the same methodology (e.g., extraction, digestion) as the associated investigative samples. Method blanks are used to document contamination from laboratory analytical processes. A method blank in every analytical batch shall be prepared and analyzed.

The results from the method blank analyses are used to verify that reagents and preparation do not impart unacceptable bias to the investigative sample results. The presence of analytes in the method blank sample will be evaluated against method-specific thresholds. If analytes are present in the method blank above the method-specific threshold, corrective action will be taken to eliminate the source of contamination before analysis proceeds. Investigative samples of an analytical batch associated with method blank results outside acceptance limits will be qualified, as appropriate.

3.3.4 Laboratory Control Samples

Laboratory control samples (LCSs) are prepared by spiking laboratory-certified, reagent-grade water with the analytes of interest or with a certified reference material that has been prepared and analyzed. The result for percent recovery of the LCS is a data quality indicator of the accuracy of the analytical method and laboratory performance.

3.3.5 Laboratory Duplicate Samples

Laboratory duplicate samples (LDSs) are prepared by the laboratory by splitting an investigative sample into two separate aliquots and separately preparing and analyzing each aliquot. The results for relative percent difference of the primary investigative sample and the respective LDSs are used to measure precision in the analytical method and laboratory performance. For nonaqueous matrices, sample heterogeneity may affect the measured precision for the LDSs.

3.3.6 Surrogate/Labeled Analogue Compounds

Surrogates and labeled analogue compounds are used to evaluate the recovery of an analyte from individual samples. Surrogate recoveries will be reported by the laboratory and will be used to assess data quality.

3.4 Analytical Data Reporting

The analytical laboratory will provide analytical data packages that include laboratory quality assurance (QA) and QC results to permit independent and conclusive determination of data quality. Data quality will be determined by the reviewer, using the data evaluation procedures described in Section 4. The results of the evaluation will be used to determine whether project data quality objectives are being met.

Required laboratory data deliverables, including electronic deliverables, are listed below.

- Transmittal cover letter
- Case narrative
- Analytical results
- COC
- QA/QC results
- Qualifier definitions

4 DATA VALIDATION AND USABILITY

Data verification is confirmation by examination and provision of objective evidence that specified requirements have been fulfilled (USEPA, 2001). Data verification includes evaluating the

completeness, correctness, and compliance of a specific data set against the method, procedural, or contractual specifications (USEPA, 2002). Data validation is confirmation by examination and provision of objective evidence that the particular requirements for specific intended use have been fulfilled (USEPA, 2001). Data validation is an analyte- and sample-specific process that extends the evaluation of data beyond method, procedural, or contractual compliance (i.e., data verification) to the analytical quality of a specific data set (USEPA, 2002). Data verification and validation will be consistent with the procedures outlined in Sections 4.1 and 4.2, respectively.

The specific data reduction, verification, reporting procedures, and assigned personnel will vary for each laboratory; however, all procedures will be completed in accordance with the laboratory's QA plan and standard operating procedures.

4.1 Data Verification

Data verification will consist of a completeness check that is performed before the data review process continues to determine whether the required information (the complete data package) is available for further review. It applies to both hard-copy and electronic deliverables. The following QC checks for data reviews will be performed for all generated data:

- Verify that batch QC was implemented properly and analyzed at the required frequency.
- Verify that holding times for extraction and analyses and for sample reservation were met.
- Verify that the quantitation limits and method detection limits were suitable for screening against the required CULs.
- Verify that all project and QC sample results were properly reported and flagged.
- Review COC documentation to verify completeness of the sample set for each data package submitted.
- Assess the impact of laboratory QC procedures and samples.

The laboratory analyst will be responsible for the reduction of raw data generated at the laboratory bench and to verify that the data reduction performed by the laboratory instrument is correct.

The following QC check for data verification will be performed for all generated data:

- Verify that calibrations and calibration checks comply with laboratory criteria.

This QC check will be performed by laboratory analysts, the assigned laboratory project manager or supervisor, laboratory QC specialists, or a combination of these personnel. After the data reports have been reviewed and verified, the laboratory reports will be signed and released for distribution.

4.2 Data Validation Methods

The validation of analytical data will be performed for 100 percent of the data report packages for each analysis type generated by each analytical laboratory. The data validation review will include

review of the following items from the Tier II (S2AVE) laboratory data reports: consistency with the COC, holding times, surrogate recoveries, MS recoveries, field duplicate agreement, MSD and laboratory duplicate precision, and method blank analyses. Refer to USEPA (2009) for S2AVE-level data validation and verification requirements (USEPA, 2009).

Data validation reports will provide the appropriate data validation label (i.e., S2AVE or S4VEM). The data validator will review data and assign data qualifiers to sample results, following sections of the USEPA procedures for inorganic data (USEPA, 2010), organic data (USEPA, 2008b), and dioxins (USEPA, 2011); the dioxin rules memorandum (see Appendix) developed by MFA and approved by Ecology; and method-specific guidelines (e.g., USEPA, 2008a).

The purpose of this independent review will be to verify that the laboratory QC program is adequate and that the laboratory met the performance criteria. A full data validation will be performed on the first data package generated for the specific project and contractor laboratory. If problems are encountered, an independent Tier IV (S4VEM) data validation review of laboratory performance criteria may be performed.

Data qualifiers are used to classify sample data as to their conformance to QC requirements. The most common qualifiers are listed below:

- J—Estimate, qualitatively correct but quantitatively suspect.
- R—Reject, data not suitable for any purpose.
- U—Not detected at a specified detection limit.

Poor surrogate recovery, blank contamination, or calibration problems, among other things, can cause the sample data to be qualified. Whenever sample data are qualified, the reasons for the qualifications will be stated in the data validation report. QC criteria not defined in the guidelines for evaluating analytical data are adopted, where appropriate, from the analytical method.

LIMITATIONS

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

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

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USEPA. 2011. USEPA contract laboratory program national functional guidelines for chlorinated dibenzo-p-dioxins (CDDs) and chlorinated dibenzofurans (CDFs) data review. EPA-540-R-11_016. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. September.

TABLES

Table 2-1
Sample Handling Summary
Port of Ridgefield
Ridgefield, Washington

Analyte	Method	Suggested Volume	Container	Number of Containers	Preservative	Storage Temperature	Holding Time from Collection
Polycyclic Aromatic Hydrocarbons[(a)]	EPA 8270 SIM	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Semivolatile Organic Compounds[(a)]	EPA 8270 SIM	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Volatile Organic Compounds[(a)]	EPA 8260	4 ounces	EPA 5035 kit[(b)]	1	none	4 degrees C	14 days
Dioxins and Furans	EPA 1613B	4 ounces	Amber Glass Jar	1	none	4 degrees C	one year
Total Petroleum Hydrocarbons—Diesel and Oil	NWTPH-Dx	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Total Petroleum Hydrocarbons—Gasoline	NWTPH-Gx	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Metals	EPA 6020	4 ounces	Glass Jar	1	none	4 degrees C	six months

NOTES:

C = Celsius.

EPA = U.S. Environmental Protection Agency.

NWTPH = Northwest Total Petroleum Hydrocarbons.

SIM = selected ion monitoring.

SMCMP = Soil Management and Cap Maintenance Plan.

[(a)]Indicate on the chain of custody only those compounds described in Section 3 of the Sampling and Analysis Plan.

[(b)]5035 sample kit includes 1 pre-tared 40 mL VOA container with 5 mL of sodium bisulfate, 2 pre-tared 40 mL VOA containers with 5 mL of methanol and 1 two ounce jar for moisture content determination.

Table 3-1
Indicator Hazardous Substances
Port of Ridgefield
Ridgefield, Washington

Indicator Hazardous Substances	Soil Cleanup Level	Basis	Property
Metals (mg/kg)			
Arsenic	5.81	Ecology background[a]	LRIS Cells 1,2,3, and 4
Barium	102	MTCA Ecological Indicator Concentration[b]	LRIS Cells 1,2,3, and 4
Chromium	67	MTCA Ecological Indicator Concentration[b]	LRIS Cells 1,2,3, and 4
Copper	217	MTCA Ecological Indicator Concentration[b]	LRIS Cells 1,2,3, and 4
Zinc	360	MTCA Ecological Indicator Concentration[b]	LRIS Cells 1,2,3, and 4
Chlorinated Phenolics (mg/kg)			
Pentachlorophenol	4.5/8.3	MTCA Ecological Indicator Concentration[b]; MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Carcinogenic PAHs (mg/kg)			
cPAH TEQ	0.14	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Noncarcinogenic PAHs (mg/kg)			
Acenaphthene	4800	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Fluoranthene	3200	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Fluorene	3200	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
2 Methylnaphthalene	320	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Naphthalene	1600	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Pyrene	2400	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
SVOCs (mg/kg)			
Dibenzofuran	160	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
VOCs (mg/kg)			
Naphthalene	1600	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Styrene	33	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
1,1,2,2-Tetrachloroethane	5	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
1,2,4-Trimethylbenzene	4000	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Petroleum Hydrocarbons (mg/kg)			
GRO	30	MTCA Method A[d]	LRIS Cells 1,2,3, and 4
DRO/RRO	2000	MTCA Method A[d]	LRIS Cells 1,2,3, and 4
Dioxins (ng/kg)			
Dioxin TEQ—Human Health	11	MTCA Method B[c]	LRIS Cells 1,2,3, and 4
Dioxin TEQ—Ecological	9.8	Terrestrial ecological CUL[e]	Port Marina property and Railroad Avenue property
Furan TEQ—Ecological	11.4	Terrestrial ecological CUL[e]	Port Marina property and Railroad Avenue property

Table 3-1
Indicator Hazardous Substances
Port of Ridgefield
Ridgefield, Washington

NOTES:

CULs may be reviewed and updated by Ecology. Values should be compared with current values shown in CLARC database.

CLARC = cleanup levels and risk calculation.

cPAH TEQ = carcinogenic PAH toxicity equivalent.

CUL = cleanup level.

DRO = diesel-range organic.

Ecology = Washington State Department of Ecology.

GRO = gasoline-range organic.

LRIS = Lake River Industrial Site.

mg/kg = milligrams per kilogram.

MTCA = Model Toxics Control Act.

ng/kg = nanograms per kilogram.

PAH = polycyclic aromatic hydrocarbon.

RRO = residual-range organic.

SMCMP = Soil Management and Cap Maintenance Plan.

SVOC = semivolatile organic compound.

TEQ = toxicity equivalent.

VOC = volatile organic compound.

[a]Ecology Publication No. 94-115, Natural Background Soil Metals Concentrations in Washington State, Clark County.

[b]MTCA Ecological Indicator Concentration for protection of wildlife (Table 749-3).

[c]MTCA Method B, direct contact (ingestion only), unrestricted land use.

[d]MTCA Method A Industrial/Unrestricted Land Use Table Value.

[e]Site-specific terrestrial ecological CUL. Calculation methods for ecological dioxin and furan TEQs are provided in the site Remedial Investigation/Feasibility Study.

APPENDIX

DIOXIN AND FURAN ANALYSIS, DATA VALIDATION, AND TEQ CALCULATION RULES MEMORANDUM

MEMORANDUM

To: File Date: June 27, 2013

From: Erik Naylor Project: 9003.01.49

RE: Dioxin and Furan Analysis, Data Validation, and TEQ Calculation Rules

The term dioxin is used to refer to a family of toxic chemicals that share a similar chemical structure and a common mechanism of toxic action. While there are 210 dioxin congeners, typically only the 17 most toxic congeners are reported by laboratories. The reported concentrations of the 17 dioxin congeners typically are validated to assess usability and then a toxicity equivalence (TEQ) is calculated from the reported results to evaluate the toxicity of these compounds as a whole. The purpose of this memo is to provide an approach for dioxin data validation and TEQ calculation for the former Pacific Wood Treating site. Further, analytical method recommendations and requirements for laboratory deliverables are provided to enable consistent data validation and TEQ calculation using data from a variety of laboratories.

Critical to consistent data use is consistent use of terminology. Terms used in this memorandum are defined below.

- Method Detection Limit (MDL)—The minimum concentration of a compound that can be measured and reported with 99 percent confidence that the value is greater than zero according to the Washington State Department of Ecology's (Ecology), Model Toxics Control Act (MTCA) (Ecology, 2007).
- Estimated Detection Limit (EDL)—The sample- and analyte-specific EDL is an estimate made by the laboratory of the concentration of a given analyte that would have to be present to produce a signal with a peak height of at least 2.5 times the background noise signal level (U.S. Environmental Protection Agency [USEPA], 2005).
- Practical Quantitation Limit (PQL)—The lowest concentration that can be reliably measured within specified limits of precision, accuracy, representativeness, completeness, and comparability during routine laboratory operating conditions, using Ecology-approved methods (Ecology, 2007). This value is usually the lowest concentration used to calibrate the instrument after being adjusted for sample volume, sample extract volume, cleanups performed, and injection volume. PQLs should be no greater than 10 times the MDL (Ecology, 2007) and no greater than what is established by the USEPA in 40 Code of Federal Regulations (CFR) 136, 40 CFR 141-143, or 40 CFR 260-270.

- Estimated Maximum Potential Concentration (EMPC)—An EMPC is a value calculated for a reported analyte when the signal-to-noise ratio is at least 2.5:1 for both quantitation ions, but the ion abundance ratio criteria used for analyte confirmation are not met (USEPA, 2005). An EMPC value represents the maximum possible result of an analyte that could not be positively identified. The inability to positively identify the analyte could be a result of matrix interference, a coeluting compound, or low response.
- Toxic Equivalency Factor (TEF)—The factor by which each congener is multiplied in order to calculate its toxicity relative to 2,3,7,8-TCDD (Ecology, 2007). These values are summed to calculate the TEQ. TEFs depend on the endpoint being examined (i.e., birds, fish, mammals).
- TEQs—Concentrations of each congener are adjusted and summed to reflect their potency relative to 2,3,7,8-TCDD, one of the most toxic congeners. The TEQ is the sum of congener results multiplied by their specific TEF (Ecology, 2007).

ANALYTICAL METHODS

Dioxins are analyzed generally by USEPA Method 1613B or 8290, using a high-resolution gas chromatograph paired with a high-resolution mass spectrometer. A laboratory's PQL is usually the same for both methods. While the methods are very similar, Method 1613B is preferred, as it requires more rigorous quality assurance and quality control (QA/QC) through the use of six more internal standards than Method 8290. Because analytical technology and methodology have advanced rapidly since the methods were written, many laboratories combine elements of both methods to obtain the best results possible (Hoffman, E., and D. Fox 2010). Often the preparation and analyses are run using Method 1613B (for the additional QA/QC), while the calculations will be performed by Method 8290 (in order to obtain the sample- and analyte-specific EDLs). Method 1613B with calculated EDLs is the preferred method.

LABORATORY DELIVERABLES

It is important to work closely with the laboratory performing the dioxin analyses because different laboratories report data in different ways. The following items should be requested to ensure that the analytical report and electronic data deliverable (EDD) will contain all of the requisite information to validation the data and calculate TEQs:

- EDLs[1] and PQLs should be included in the final analytical report. EDLs, MDLs, and PQLs should all be included in the EDD.
- Results should be reported to the sample- and analyte-specific EDL. Results below the PQL but above the EDL will be qualified as estimates (J).
- EMPC results should be reported at the EMPC value (EMPC values will be assigned a "U" qualifier [the analyte was not detected at or above the concentration qualified] at the time of validation).

[1] Note that USEPA Method 1613B does not provide for the calculation of EDLs; therefore, the laboratory must use the calculation approach provided in Method 8290 to report the required limits.

TEQ concentrations will not be requested from the laboratory. If the laboratory provides TEQ concentrations, they will not be used because the data have not been validated TEQs should be calculated only after the data are validated.

VALIDATION

Dioxin data are validated much like other organic data, but there are a few issues that do not typically arise in other organic data sets. In addition to standard validation procedures (USEPA 2005), the following scenarios should be addressed in the fashion described below, consistent with other Ecology sites (Ecology and Environment and G. L. Glass, 2011):

- EMPC reported values should be assigned a U qualifier at the reported EMPC value.
- EMPC values that appear to be significantly elevated should be investigated further with the laboratory and may be assigned an R qualifier (unusable) when applicable.
- Non-detected results should be assigned a U qualifier and reported at the EDL value.

Further dioxin validation guidelines can be found in the National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) Data Review (USEPA 2005). Data must be validated before TEQs are calculated.

TEQS

To express the overall toxicity of the 17 reported dioxins, the concentration of each congener is adjusted based on its toxicity relative to the most toxic congener, 2,3,7,8-TCDD, and then all 17 are added together. The adjustment factors, the TEFs, are provided by the 2005 World Health Organization. TEQs are commonly calculated by one of the following two methods:

1. Non-detected values (U) are set as one half of the EDL. Values that are detected, even as estimates (J), should be used at face value. Multiply congener values by their corresponding TEF and then sum all of the products.
2. Non-detected values (U) are set as 0. Values that are detected, even as estimates (J), should be used at face value. Multiply congener values by their corresponding TEF and then sum all of the products.

These methods result in two different TEQ values that can be shown as TEQ (U=1/2) and TEQ (U=0). TEQs should not be calculated to more significant figures than the original data. The table below illustrates these methods:

Table
Example of Handling Non-Detects and Resulting TEQs.

Dioxin	Result (ng/kg)	TEC[1] (U=1/2) (ng/kg)	TEC[1] (U=0) (ng/kg)	TEF Mammals
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	44	44	44	0.0003
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	3000 J	3000	3000	0.0003
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	41	41	41	0.01
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	510	510	510	0.01
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	2.9 U	1.45	0	0.01
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	6.9 U	3.45	0	0.1
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.4	7.4	7.4	0.1
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	5.2 U	2.6	0	0.1
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	27	27	27	0.1
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.5 U	0.25	0	0.1
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	22	22	22	0.1
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	3.4 U	1.7	0	0.03
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	3.2 U	1.6	0	1
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	2.4	2.4	2.4	0.1
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	3 U	1.5	0	0.3
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1.4 U	0.7	0	0.1
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.23 U	0.115	0	1
Total Heptachlorodibenzofuran (HpCDF)	99	99	99	--
Total Heptachlorodibenzo-p-dioxin (HpCDD)	1,100	1100	1100	--
Total Hexachlorodibenzofuran (HxCDF)	97 J	97	97	--
Total Hexachlorodibenzo-p-dioxin (HxCDD)	250	250	250	--
Total Pentachlorodibenzofuran (PeCDF)	44	44	44	--
Total Pentachlorodibenzo-p-dioxin (PeCDD)	32 J	32	32	--
Total Tetrachlorodibenzofuran (TCDF)	19	19	19	--
Total Tetrachlorodibenzo-p-dioxin (TCDD)	8.2	8.2	8.2	--
TEQ (U=1/2)	**15.2**	--	--	--
TEQ (U=0)	**12.3**	--	--	--

NOTES:
-- = no value.
ng/kg = nanograms per kilogram.
[1]TEC is analyte-specific TEF adjusted concentration.

The difference between TEQ (U=1/2) and TEQ (U=0) values gives data reviewers an idea of how much the EDL substitution affects the TEQ summation (Hoffman, E., and D. Fox 2010). While MTCA does not specify using the TEQ (U=1/2) method, it is the method that has been historically used at the Port of Ridgefield and will continue to be used.

SUMMARY

- USEPA Method 1613B is recommended for dioxin analysis (with Method 8290 EDL calculations).
- The laboratory must report a PQL and EDL for each sample and each congener, and provide a PQL, EDL, and MDL for each sample and each congener in the EDD.
- Results should be reported to the sample- and analyte-specific EDL. Results below the PQL but above the EDL will be qualified as estimates (J).
- EMPC results should be reported at the EMPC value (EMPC values will be assigned a "U" qualifier at the time of validation). However, if the EMPC is significantly elevated, additional qualification may be appropriate.
- Non-detected results should be assigned a U qualifier and reported at the EDL value.
- Laboratory data must be validated before a TEQ is calculated.
- TEQs should be calculated as follows: non-detected values (U) are set as one half of the EDL. Values that are detected, even as estimates (J), should be used at face value. Multiply congener values by their corresponding TEF and then sum all of the products.

REFERENCES

Ecology. 2007. Model Toxics Control Act statute and regulation. Publication No. 94-06. Washington State Department of Ecology. November.

Ecology and Environment Inc. and Gregory L. Glass. 2011. Rayonier Mill off-property soil dioxin study. June.

Hoffman, E., and D. Fox. 2010. Polychlorinated dioxins and furans (PCDD/F): revisions to the supplemental quality assurance project plan (SQAPP). U.S. Environmental Protection Agency. November.

USEPA. 2005. USEPA contract laboratory program national functional guidelines for chlorinated dibenzo-p-dioxins (CDDs) and chlorinated dibenzofurans (CDFs) data review. EPA 540-R-05-001. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. September.

APPENDIX D

MEMO RE: UPLAND OFF-PROPERTY DIOXIN WASTE DESIGNATION

MEMORANDUM

To:	Craig Rankine	Date:	December 20, 2012
From:	Madi Novak	Project:	9003.01.39
	Steve Taylor, PE		
RE:	Upland Off-Property Dioxin Waste Designation Former Pacific Wood Treating Site, Ridgefield, Washington Agreed Order No. 01TCPSR-3119		

On behalf of the Port of Ridgefield, (Port), Maul Foster & Alongi, Inc. (MFA) has prepared this memorandum to determine the waste designation for soils containing dibenzo-p-dioxins and furans (collectively referred to as dioxins) off-property of the Lake River Industrial Site (LRIS) in Ridgefield, Washington. The LRIS is the location of the former Pacific Wood Treating Corporation (PWT) facility where historical operations primarily involved pressure-treating wood products with oil-based treatment solutions containing creosote, pentachlorophenol (PCP), and water-based mixtures of copper, chromium, arsenic, and/or zinc.

Soils that are located off property of the LRIS in the adjoining residential neighborhood and McCuddy's Marina parking area (i.e., off-property area) contain dioxins. However, the source of the dioxins is not readily apparent. Sources of dioxins at the PWT facility may have included spent formulations from wood preserving processes, combustion of waste by PWT and a previous shingle mill, combustion of fuels at the facility, and by trucks and trains traveling adjacent to the facility and to the offsite properties.

The U.S. Environmental Protection Agency (USEPA) has prepared a document clarifying RCRA policy for remediation waste[1] which provides the following on page 5 of the document.

> *Where a facility owner/operator makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not*

[1] USEPA, 1998. Management of Remediation Waste under RCRA. Office of Solid Waste and Emergency Response. Ref. EPA530-F-98-026. October 14.

> *exhibit a characteristic of hazardous waste, RCRA requirements do not apply... This approach was confirmed in the final NCP[2] preamble. See, 53 FR 51444, December 21, 1988 for proposed NCP preamble discussion; 55 FR 8758, March 13, 1990 for final NCP preamble discussion.*

There are no historical records of a release off- property from PWT's operation that would result in the determination that the off-property soils are a listed hazardous waste, specifically the F032, F034 and F035 listings that are assigned to *wastewater, process residuals, preservative drippage, and spent formulations from wood preserving processes that used chlorophenolic formulations, creosote or arsenic based treating solutions respectively.* These waste codes have been applied to soils on the property because of known releases on the property.

The soil containing dioxins that is located offsite of the former PWT facility (i.e., LRIS) is not designated as hazardous waste under the guidelines provided by USEPA. The operation that generated the dioxin compounds cannot be determined because there are several potential sources (including the wood treating operations) that could have led to contamination of soils in the offsite areas. Given this information, the F032, F034 and F035 listed hazardous waste codes are not applicable to the soil that could be generated during any future remedial action in the off-property area.

The soil sample results have also been reviewed for possible designation as a characteristic hazardous waste or a Washington state-only dangerous waste Per WAC 173-303-100 Dangerous Waste Criteria. The concentration of dioxins, polycyclic aromatic hydrocarbons (PAHs) and halogenated organic compounds (HOCs) were reviewed in accordance with the WAC 173-303-100 requirements as follows:

> Toxic Dangerous Wastes - The equivalent concentration for the toxic constituents (metals, PAHs, HOCs, and dioxins) is below the 0.001 percent threshold in WAC 173-303-100(5), and the material does not designate as a state-only toxic waste.
>
> Persistent Dangerous Wastes - PAHs, HOCs, and dioxins are below the 0.01 percent threshold for characterizing a material as a persistent dangerous waste as described in WAC 173-303-100(6).

Based on the above review, the soil to be generated during the off-property remedial action would not designate as a Washington state-only dangerous waste.

[2] National Contingency Plan

APPENDIX E
CAMU DOCUMENTATION

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

June 8, 2011

Ms. Laurie Olin
Director of Operations
Port of Ridgefield
P.O. Box 55
111 West Division
Ridgefield, WA 98642

RE: CAMU-eligible soils at the Pacific Wood Treating/Port of Ridgefield Site
Facility Site ID 1019

Dear Ms. Olin:

This letter documents the Department of Ecology's (Ecology's) determination that contaminated soils from Pacific Wood Treating Site are Corrective Action Management Unit (CAMU)-eligible waste under the Dangerous Waste Regulations (Chapter 173-303 WAC). These soils may be disposed off-site at a designated hazardous waste landfill according to WAC 173-303-646920.

In a March 16 e-mail to Jennifer King, Ecology stated that adequate information had been submitted by Maul Foster & Alongi, Inc, the Port of Ridgefield's consultant, for Ecology to tentatively approve placement of soils from the Pacific Wood Treating Site in an off-site dangerous waste landfill as CAMU-eligible waste.

The Dangerous Waste Regulations require Ecology to determine principal hazardous constituents (PHCs) in the soils and proposed treatment levels for each PHC. For the Pacific Wood Treating Site these are found in Appendix A (Corrective Action Management Unit Documentation) in *Cells 1 and 2 Interim Action Work Plan, Former Pacific Wood Treating Corporation*, dated April 13, specifically in the table entitled "Table Proposed Treatment Levels for CAMU Disposal, Port of Ridgefield - Lake River Industrial Site, Ridgefield, Washington."

The Dangerous Waste Regulations require Ecology to provide public notice and a reasonable opportunity for public comment before approving placement of CAMU-eligible waste in an off-

site landfill. The recent public comment period (April 25 to May 25, 2011) on the interim action work plan included information and a request to comment about the off-site disposal of site soils as CAMU-eligible waste. No comments were received specific to the CAMU-eligible waste proposal.

The federal regulations (40 CFR 264.555) outline the remaining requirements for approving placement of CAMU-eligible waste in an off-site landfill. Part 264.555(e) outlines the necessary procedures for public comment and regulatory approval at the landfill before CAMU-eligible waste may be placed in the off-site landfill. Ecology understands that soils from the Pacific Wood Treating Site will be sent to the Chemical Waste Management (CWM) Subtitle C Facility in Arlington, Oregon, and that this facility is permitted to accept CAMU-eligible waste. For each cleanup generating a CAMU-eligible waste, CWM must request an additional permit modification from the Oregon Department of Environmental Quality (DEQ), including the source of the CAMU waste, its PHCs, and the applicable treatment requirements. Public notice by CWM is also required (40 CFR § 264.555(d)-(e)). The DEQ may object to the off-site placement of CAMU-eligible waste within 30 days of CWM's notification (40 CFR §264.555(e)(3)). CAMU-eligible wastes may not be placed in the landfill until DEQ has notified CWM that DEQ does not object to its placement.

WAC 173-303-646910(6) requires generators of CAMU-eligible wastes sent to an off-site dangerous waste landfill to comply with the reporting, tracking, and recordkeeping requirements of 40 CFR 268.7(a)(4).

If you have any questions about this letter, please contact me at 360-407-6359.

Sincerely,

Kaia Petersen

Kaia Petersen
Licensed Hydrogeologist
Department of Ecology
Hazardous Waste and Toxics Reduction
Southwest Regional Office
kaia.petersen@ecy.wa.gov

cc: Craig Rankine, Department of Ecology, craig.rankine@ecy.wa.gov
Jennifer King, Maul Foster & Alongi, Inc., jking@maulfoster.com
Rich Duval, Oregon Department of Environmental Quality, duval.rich@deq.state.or.us

APPENDIX F

GEOTEXTILE SPECIFICATION AND PLANTING LIST

APPENDIX F – GEOTEXTILE SPECIFICATION AND PLANTING LIST

PORT OF RIDGEFIELD 2012 INTERIM ACTION GRADING TECHNICAL SPECIFICATIONS

GEOTEXTILE PRODUCT DESCRIPTION SHEET

PLANT LIST

SECTION 31 05 19

GEOSYNTHETICS

PART 1 GENERAL

1.1 SUMMARY

A. This Section describes the requirements for the supply and installation of the geotextiles specified for erosion and sediment control and geotextile demarcation material.

1.2 SUBMITTALS

The CONTRACTOR shall submit the following to the ENGINEER per Section 01 33 00:

A. SD-01 (Preconstruction Submittals)

1. Product samples, data sheets, and complete description meeting or exceeding the specifications in this Section for materials supplied by Contractor.
2. Manufacturer’s quality control testing reports summarizing the testing requirements specified in Part 2 of this Section for materials supplied by Contractor.
3. Manufacturer’s instructions for storage, installation, and repair.
4. Product sample and data sheets.

1.3 FIELD MEASUREMENTS

A. CONTRACTOR shall verify actual quantities required with field measurements prior to ordering, fabricating, or installing geosynthetics (except demarcation geotextile) to ensure proper quantities are delivered to the site.

1.4 COORDINATION

A. The CONTRACTOR shall inform the ENGINEER prior to installation of geosynthetics so that ENGINEER may be present to observe installation.

1.5 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be incidental to other Bid Items.

PART 2 PRODUCTS

2.1 GEOSYNTHETICS

2.1.1 SEDIMENT FENCE GEOTEXTILE

A. Sediment fence shall have the following MINIMUM properties:

Property	Test Method	Minimum Average Roll Value
Water Permittivity	ASTM D4491	0.02 sec^{-1}
Grab Tensile Strength	ASTM D4632	180 lbs minimum for extra strength fabric. 100 lbs minimum for standard strength fabric.
Grab Tensile Strength	ASTM D4632	30% maximum
Ultraviolet Resistance	ASTM D 4355	70% minimum
Polymeric mesh Apparent Opening Size	ASTM D4751	60 mm maximum for slit film wovens (#30 sieve). 0.30 mm maximum for all other geotextile types (#50 sieve). 0.15 mm minimum for all fabric types (#100 sieve).

B. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum of 6-inch overlap.

C. Wood, steel or equivalent posts shall be used. Wood posts shall have minimum dimensions of 2 inches by 2 inches by 3 feet minimum length, and shall be free of defects such as knots, splits, or gouges.

D. Steel posts shall consist of either size No. 6 rebar or larger, ASTM A 120 steel pipe with a minimum diameter of 1-inch, U, T, L, or C shape steel posts with a minimum weight of 1.35 lbs./ft. or other steel posts having equivalent strength and bending resistance to the post sizes listed. The spacing of the support posts shall be a maximum of 6 feet.

E. Fence back-up support, if used, shall consist of steel wire with a maximum mesh spacing of 2 inches, or a prefabricated polymeric mesh. The strength of the wire or polymeric mesh shall be equivalent to or greater than 180 lbs. grab tensile strength. The polymeric mesh must be as resistant to ultraviolet radiation as the geotextile it supports.

F. Sediment Fence geotextile shall be installed per Part 3.1 of this Section.

2.1.2 DEMARCATION GEOTEXTILE

A. The CONTRACTOR shall provide demarcation geotextile (SKAPS GT-160 non-woven geotextile or approved equal) having the following MINIMUM properties:

Property	Test Method	Minimum Average Roll Value
California Bearing Ratio Puncture Resistance	ASTM D6241	410 lbs
Apparent Opening Size	ASTM D4751	0.212 mm

B. Demarcation Geotextile shall be installed per Part 3.2 of this Section.

2.1.3 SEPARATION GEOTEXTILE FOR STABILIZED CONSTRUCTION ENTRANCE

A. A separation geotextile shall be placed under the spalls to prevent fine sediment from pumping up into the rock pad. The geotextile shall meet the following standards:

Property	Test Method	Minimum Average Roll Value
Mullen Burst Strength	ASTM D3786-80a	400 psi min.
Grab Tensile Strength	ASTM D4751	200 psi min.
Grab Tensile Elongation	ASTM D4632	30% maximum
Ultraviolet Resistance	ASTM D4355	70% minimum
Apparent Opening Size	ASTM D4751	20-45 (U.S. standard sieve size)

B. Separation geotextile for stabilized construction entrance shall be installed per Part 3.3 of this Section.

PART 3 EXECUTION

3.1 SEDIMENT FENCE GEOTEXTILE

A. The CONTRACTOR shall install and maintain temporary silt fences at the locations shown in the Plans. The silt fences shall be constructed in the areas of clearing, grading, or drainage prior to starting those activities. A silt fence shall not be considered temporary if the silt fence must function beyond the life of the contract. The silt fence shall prevent soil carried by runoff water from going beneath, through, or over the top of the silt fence, but shall allow the water to pass through the fence.

B. The minimum height of the top of silt fence shall be 2 feet and the maximum height shall be 2.5 feet above the original ground surface.

C. The geotextile shall be sewn together at the point of manufacture, or at an approved location as determined by the Engineer, to form geotextile lengths as required. All sewn seams shall be located at a support post. Alternatively, two sections of silt fence can be overlapped, provided the Contractor can demonstrate, to the satisfaction of the ENGINEER, that the overlap is long enough and that the adjacent fence sections are close enough together to prevent silt laden water from escaping through the fence at the overlap.

D. The geotextile shall be attached on the up-slope side of the posts and support system with staples, wire, or in accordance with the manufacturer's recommendations. The geotextile shall be attached to the posts in a manner that reduces the potential for geotextile tearing at the staples, wire, or other connection device. Silt fence back-up support for the geotextile in the form of a wire or plastic mesh is dependent on the properties of the geotextile selected for use. If wire or plastic back-up mesh is used, the mesh shall be

fastened securely to the up-slope of the posts with the geotextile being up-slope of the mesh back-up support.

E. The geotextile at the bottom of the fence shall be buried in a trench to a minimum depth of 4 inches below the ground surface. The trench shall be backfilled and the soil tamped in place over the buried portion of the geotextile, such that no flow can pass beneath the fence and scouring cannot occur. When wire or polymeric back-up support mesh is used, the wire or polymeric mesh shall extend into the trench a minimum of 3 inches.

F. The fence posts shall be placed or driven a minimum of 18 inches. A minimum depth of 12 inches is allowed if topsoil or other soft subgrade soil is not present and a minimum depth of 18 inches cannot be reached. Fence post depths shall be increased by 6 inches if the fence is located on slopes of 3:1 or steeper and the slope is perpendicular to the fence. If required post depths cannot be obtained, the posts shall be adequately secured by bracing or guying to prevent overturning of the fence due to sediment loading.

G. Silt fences shall be located on contour as much as possible, except at the ends of the fence, where the fence shall be turned uphill such that the silt fence captures the runoff water and prevents water from flowing around the end of the fence.

H. If the fence must cross contours, with the exception of the ends of the fence, gravel check dams placed perpendicular to the back of the fence shall be used to minimize concentrated flow and erosion along the back of the fence. The gravel check dams shall be approximately 1-foot deep at the back of the fence. It shall be continued perpendicular to the fence at the same elevation until the top of the check dam intercepts the ground surface behind the fence. The gravel check dams shall consist of crushed surfacing base course, gravel backfill for walls, or shoulder ballast. The gravel check dams shall be located every 10 feet along the fence where the fence must cross contours. The slope of the fence line where contours must be crossed shall not be steeper than 3:1.

3.2 DEMARCATION GEOTEXTILE INSTALLATION

A. CONTRACTOR shall install demarcation geotextile on top of finished subgrade (see Section 02 61 13 EARTHWORK).

B. Material shall be laid flat and smooth so it is in direct contact with the subgrade with a 6-inch minimum overlap. The surface shall be free of sharp materials that may puncture or tear the geotextile.

C. The ENGINEER shall verify adequate placement and coverage prior to backfill of the excavation area.

D. Demarcation materials shall not be exposed to sunlight or other open environmental factors for greater than 48 hours.

E. Demarcation materials shall be staked or stapled to prevent movement of demarcation material during soil placement and damage or removal of material by wind prior to soil placement.

3.3 SEPARATION GEOTEXTILE FOR STABILIZED CONSTRUCTION ENTRANCE

A. Install separation geotextile for stabilized construction entrance per manufacturer's instructions and Stormwater Management Manual for Western Washington (2005 Edition) (SMMWW).

3.4 PROTECTION

A. Protect geosynthetics during installation from clogging, tears, and other damage.

B. Damaged geosynthetics shall be repaired or replaced.

C. Adequate ballast (e.g. sand bags) shall be used to prevent uplift by wind.

3.5 REPAIRS

A. Repair all torn or damaged geotextile in accordance with manufacturer recommendations.

B. Geotextile rolls which cannot be repaired shall be removed and replaced.

C. Damage resultant of installation or other construction activities shall be performed at no additional cost to the OWNER.

-- End of Section --

Sales Office:
Engineered Synthetic Products, Inc.
Tel (770) 564-1857
Fax (770) 564-1818
www.espgeosynthetics.com

Geotextile Product Description Sheet

SKAPS GT-160
Nonwoven Geotextile

SKAPS GT-160 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-160 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-160 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd^2 (g/m^2)	6.0 (203)
Grab Tensile	ASTM D 4632	lbs (kN)	160 (0.711)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	60 (0.267)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	410 (1.82)
Permittivity*	ASTM D 4491	sec^{-1}	1.5
Water Flow*	ASTM D 4491	gpm/ft^2 ($l/min/m^2$)	110 (4480)
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight – lbs	195

* At the time of manufacturing. Handling may change these properties.

SKAPS Industries,
335 Athena Drive, Athens GA 30601
Phone:(706)-354-3700, Fax(706)-354-3737,
www.skaps.com

Made in U.S.A.

List of Plants without a Taproot

Trees

Abies concolor	White Fir
*Acer japonicum**	Japanese Maple
Acer macrophyllum	Big-Leaf Maple
*Acer palmatum**	Japanese Maple
*Acer rubrum**	Red Maple
*Betula papyrifera**	Paper Maple
Betula pendula	Weeping Birch
*Carpinus betulus**	European Hornbeam
Cercidiphyllum japonicum	Katsuratree
Cornus florida	Flowering Dogwood
*Fagus sylvatica**	European Beech
*Fraxinus pennsylvanica**	Green Ash
Larix occidentalis	Western Larch
*Picea pungens**	Colorado Spruce
Picea sitchensis	Sitka Spruce
Platanus x acerfolia	London Plane Tree
Populus balsamifera	Black Cottonwood
Prunus emarginata	Bitter Cherry
Prunus serrulata	Japanese Flowering Cherry
Psuedotsug menziesii	Douglas Fir
Salix sp.	Willows
Styrax japonicas	Japanese Snowball
*Thuja occidentalis**	Arborvitae
Thuja plicata	Western Red Cedar
Tilia cordata	Little Leaf Linden

Shrubs

Abelia x grandifolia	Glossy Abelia
Acer circinatum	Vine Maple
Andromeda polifolia	Bog Rosemary
Arcostaphylos uvu-ursi	Kinnikinnik
*Azalea sp**	Azalea
*Berberis Thunbergii**	Japanese Barberry
Clethra alnifolia	Summersweet Clethra
*Cornus alba**	Dogwood
*Cornus siricea**	Redosier Dogwood
Deutzia gracilis	Slender Deutzia
*Euonymus fortunei**	Wintercreeper Euonymus
Gautheria shallon	Salal
*Hamamelis mollis**	Chinese Witchhazel
Hamamelis Virginia	Witch Hazel
Kalmia latifolia	Mountain Laurel
*Lonicera japonica**	Japanese Honeysuckle
Mahonia aquifolium "Compacta"	Compact Oregon Grape
Oemleria cerasiformis	Indian Plum
Physocarpus capitatus	Western Ninebark
Rosa Gymnocarpa	Baldhip Rose
*Rhododendron sp.**	Rhododendrons
Sambucus cerulean	Blue Elderberry
Sambucus racemosa	Red Elderberry
Symphoricarpos albus	Snowberry
Vaccinium corymbosum	Highbush blueberry
Viburnum davidii	Davids Viburnum
Vaccinium ovatum	Evergreen huckleberry
Viburnum lantana	Wayfaring Tree Viburnum
*Viburnum opulus**	European Cranberrybush

Ground Cover

The following list includes anticipated ground cover for the site. However, other perennial herbaceous plants, annual flowers, grasses, sedges, ferns, and mosses are acceptable as well.

Aruncus dioicus	Goat's Beard	*Helictotrichon sempervirens*	Blue Oat Grass
Belchnum spicant	Deer Fern	*Miscanthus Sinensis*	Maiden Grass
*Calluna vulgaris**	Scotch Heather	*Pennisetum alopecuroides*	Fountain Grass
Camassia quamash	Common Camas	*Sesleria autumnalis*	Autumn Moor Grass
Cornus Canadensis	Bunchberry	*Anemone hybrida*	Japanese Anemone
Dicentra Formosa	Bleeding Heart	*Narcissus*	Daffodil
Fragaria chiloensis	Coastal Strawberry	*Echinacea purpurea*	Purple Cone Flower
Fragaria vesca	Woodland Strawberry	*Hemerocallis*	Daylily
Maianthemum dilatatum	False Lily-of-the-Valley	*Liriope muscari*	Lilyturf
Oxalis oregano	Wood Sorrel	*Rudbekia hirta*	Black-eyed Susan
Polystichum munitum	Sword Fern	*Sedum*	Stonecrop
Vancouveria hexandra	Inside-out Flower	Lawn mixes	
Carex	Sedges		
Deschampsia caespitosa	Tufted Hair Grass		

*Including varieties

Note: This list is not all inclusive and other plant material may be added if it does not have a tap root.

Data for list were obtained from the following sources:

- U.S. Forest Service Handbook 654 http://www.na.fs.fed.us/pubs/silvics_manual/table_of_contents.shtm
- U.S. Forest Service Shrub list http://www.fs.fed.us/database/feis/plants/shrub/
- USDA Natural Resources Conservation Service—Plants Data Base http://plants.usda.gov/index.html
- *The Complete Plant Selection Guide for Landscape Design* by Marc C. Stoecklein

APPENDIX G

LAKE RIVER RIPARIAN ENHANCEMENT PLAN

REVISED LAKE RIVER RIPARIAN ENHANCEMENT PLAN

ADDENDUM TO THE JOINT AQUATIC RESOURCES PERMIT APPLICATION

LAKE RIVER REMEDIAL ACTION
111 W DIVISION STREET
RIDGEFIELD, WASHINGTON

NWS-2013-875

Prepared for
PORT OF RIDGEFIELD
January 17, 2014
Project No. 9003.01.40

MAUL FOSTER ALONGI

Prepared by
Maul Foster & Alongi, Inc.
400 E Mill Plain Blvd., Suite 400, Vancouver WA 98660

REVISED LAKE RIVER RIPARIAN ENHANCEMENT PLAN

Maul Foster & Alongi, Inc. has prepared this riparian enhancement plan as a supplement to the Lake River Remedial Action Joint Aquatic Resources Permit Application (JARPA) (Reference Number NWS-2013-875). The purpose of the remedial action is to address historical contamination in the sediments in Lake River adjacent to the former Lake River Industrial Site (LRIS) (now referred to as Miller's Landing). The remedial action was designed to create a net benefit to the environment and will involve dredging and excavation of contaminated sediment in areas exceeding remediation levels, placing clean sand to control sediment residuals and enhance the recovery of low-level contamination, and bank stabilization (see Attachment 1 to the JARPA for a more detailed project description).

Mitigation sequencing has been incorporated throughout the design process for the project, which has been overseen by the Washington State Department of Ecology (Ecology). To effectively stabilize the bank, predominantly non-native and some native vegetation will be removed or covered. Removal of native shrubs and trees will be off-set through re-vegetation of the riverbank with natives following construction. This is consistent with federal regulations specifying that compensatory mitigation is required to ensure that impacts to the aquatic environment are minimized and offset (33 CFR, Parts 325 and 332, April 10, 2008). Per the regulations, a minimum 1:1 acreage or linear foot compensation must be provided (CFR 332.3(f)). In a letter from the U.S. Army Corps of Engineers (COE) on December 31, 2013, a 2:1 mitigation ratio (based on lineal feet) was requested to account for potential temporal impacts.

The purpose of this riparian enhancement plan is to (1) demonstrate that the proposed riparian enhancement meets and exceeds the 2:1 mitigation ratio, (2) describe measures that will be taken to improve habitat quality on the riverbank, and (3) outline plans for monitoring and maintenance.

MFA initially submitted a riparian enhancement plan on November 25, 2013 and received comments and a request for a revised riparian enhancement plan from the COE on December 31, 2013. During a conversation on January 8, 2014 the approach to the riparian enhancement documented herein was selected.

1. BACKGROUND

Lake River is west of the former LRIS (now known as Miller's Landing) and the Ridgefield National Wildlife Refuge. The LRIS was used as a wood processing and shipping site between 1964 and 1993, and cleanup actions have been conducted at the LRIS since 2000. Through the completion of a remedial investigation and feasibility study conducted under an Agreed Order, it was determined that Lake River sediments are contaminated at levels that present unacceptable risk to human health and to ecological receptors. Therefore, Ecology requires remedial actions in Lake River to address legacy contamination in the remedy area (see Exhibit C1.0). The remedial action provides environmental benefit, as it addresses unacceptable risks to ecological receptors, primarily by dredging contaminated sediment and eliminating the potential for erosion of contaminated soils into the aquatic environment.

2. PLAN OVERVIEW

Miller's Landing is a former industrial site that is planned for redevelopment with a mix of uses, including commercial, office, retail, and open space. The river bank at Miller's Landing is planned for recreational use, with trails and open grassy areas, and accommodates enhancements to habitat. The riparian habitat enhancement concept for Miller's Landing is to improve the physical characteristics of the riverbank and establish a native plant community. The enhancement concept includes:

- Grading the riverbank and adding fish mix rounded rock (7-inch median) from the toe of the slope to between approximately +11 and +14 feet National Geodetic Vertical Datum of 1929 (NGVD).
- Installing native trees, shrubs and groundcover in three discrete groves (planting groves 1, 2, and 3).
- Planting native grasses on the riverbank.

The native planting areas are located on the riverbank Cell 2, kayak launch, and Cell 3 reaches (see Exhibits L1.0 and L1.1). In the Cell 2 and kayak launch reaches, the planting area generally extends from ordinary high-water mark (OHW) of +14 feet NGVD to the gravel trail and includes native grasses and two discrete groves; the landward extent of the planting area generally follows the top of the riverbank. The planting area in the Cell 3 reach is comprised of one discrete grove; note native grasses were previously planted in the Cell 3 reach.

3. COMPENSATORY MITIGATION

The riverbank will be re-graded and fish mix rounded rock will be installed from the toe of the slope to between approximately +11 and +14 feet NGVD. These bank stabilization elements were designed to account for Lake River wave action and to reduce soil erosion. Construction includes the removal or covering of vegetation. Existing vegetation is primarily non-native, however some natives are present. Removal of native vegetation requires compensatory mitigation and mitigation will be achieved with native vegetation plantings.

A survey of existing native tree and shrub vegetation was completed by MFA ecologists on January 10, 2014. Conditions were overcast, with some light rain. Temperatures were in the mid-40s (Fahrenheit). Native vegetation was identified and logged with a differential global positioning system along the entire shoreline between the water elevation (approximately +7 feet NGVD) and jurisdictional OHW (+14 NGVD) (see the Figure). A photo array showing shoreline vegetation and associated descriptions are provided in the Appendix.

Shrubs, groundcover, and some trees are generally present up to +11 NGVD. This vegetation is predominantly comprised of non-native California false indigo (*Amorpha californica*), reed canary grass (*Phalaris arundinacea*), Himalayan blackberry (*Rubus armeniacus*), and low growing groundcover. Above +11 NGVD, grasses[1] and non-native weeds (e.g., Queen Anne's lace) are dominant.

[1] Grasses are non-native in Cell 2. In Cell 3, native grasses were recently planted.

A total of 148 lineal feet of native tree and shrub vegetation was measured along the approximately 1,840 feet long shoreline (see the Figure). Some native herbaceous forbs (knotweed [*Polygonum sp.*] less than 3 feet tall) identified as nuisance species (Portland Bureau of Planning and Sustainability Portland Plant List) were not included in the evaluation. Note that native vegetation was generally isolated and surrounded by non-native vegetation.[2] Natives identified include Oregon ash, cottonwood species, and willow species; leaves were generally absent and twigs were collected to support identification.

The proposed native tree and shrub plantings (planting groves 1, 2, and 3) span approximately 500 lineal feet. The proposed tree and shrub plantings exceed the 148 lineal feet of existing native vegetation to be removed (3.4:1 ratio). The proposed plantings will therefore provide the required compensation (2:1 mitigation ratio based on lineal feet) for unavoidable impacts to aquatic resources (CFR 332.3(f)).

4. RIPARIAN AREA GOALS, OBJECTIVES, AND PERFORMANCE STANDARDS

Goal: Enhance habitat functions and values of the riverbank.

Objective 1: Reduce and control non-native vegetation.

Performance Standard 1: During all monitoring periods, non-native, invasive plant species will not exceed 20 percent aerial cover in the planting areas.

Objective 2: Improve physical structure of riverbank habitat.

Performance Standard 2: Fish mix rounded rock material (7-inch median) will cover 100% of the riverbank from the toe of the slope to a minimum elevation between +11 feet and +14 NGVD. Turf reinforcement mat (TRM) will be in place from the fish mix extent to the top of the bank (approximately +22 NGVD).

Objective 3: Enhance the riverbank plant community.

Performance Standard 3.1: Planted, native tree and shrub species will achieve 100 percent survival during the first and second years after the site is planted. If dead plantings are replaced, the performance standard will be met.

Performance Standard 3.2: During the third through fifth years after planting, native tree and shrub species will achieve 80 percent survival. If dead plantings are replaced, the performance standard will be met.

Alternatively:

Performance Standard 3.2: Native tree and shrub species will provide 15 percent aerial cover in the third year and 25 percent aerial cover in the fifth year in the planting areas.

[2] Non-native vegetation was generally present and dense along the entire shoreline, with the exception of the Division St. kayak launch area (no vegetation present).

5. GRADING AND PLANTING PLAN

5.1. GRADING

The existing bank below +11 feet NGVD will be stabilized with a minimum 2-foot-thick layer of fish mix rounded rock (7-inch median) from the toe of the bank slope to a minimum elevation of approximately +11 feet NGVD. Fish mix will be placed on a filter layer consisting of filter gravel and/or filter fabric to prevent erosion of underlying bank soils. Fish mix will be placed at no greater than a 4H:1V slope. Above 11 feet NGVD, fish mix will be transitioned at a less-than-2-foot thickness to the existing clean soil cap grades. In the Cell 2 archaeological reach, the minimum 2-foot-thick layer of fish mix will extend farther up the bank to stabilize soils that, because of the presence of archaeological artifacts, were not regraded during the upland cleanup.

The fish mix is required to prevent further erosion of the bank and subsequent potential release of contaminants. Additionally, the fish mix will serve to protect known archaeological artifacts in the Lake River bank. Existing bank debris either will be removed prior to placement of fish mix or will be entirely covered by the fish mix.

TRM will be placed and seeded from the top of the bank down to the fish mix extents. The planted TRM will provide a reinforced, vegetated system to minimize erosion of the clean soil cap during high-water events.

5.2. PLANT LIST

Native plants and grasses will be installed on the riverbank between OHW (+14 feet NGVD) and the gravel trail in the Cell 2 north, Cell 2 south, and kayak launch reaches (see Exhibits L1.0 and L1.1). As described above, fish mix will extend farther up the bank (above OHW) in the Cell 2 archaeological reach; native plants will be installed above the fish mix extents in this reach and a discrete grove extends landward of the gravel trail. In addition, a discrete native tree, shrub, and groundcover grove will be planted in the Cell 3 reach (see Exhibit L1.1). The planting plan has been designed to cluster native trees and shrubs in three groves to provide habitat structural diversity while protecting scenic views. The planting groves span approximately 500 lineal feet. The open areas between the clustered trees are planted or will be planted with native grasses. The total native plant area will extend approximately 1,750 feet and be approximately 2.7 acres.

The plants specified for the mitigation site are intended to provide diversity in each stratum and will provide cover and habitat in both the short and long terms. The proposed plant list includes seven species of native trees and seven species of native shrubs, along with variety of native grasses, legumes, and wildflowers.

Table Planting List

Common Name	Scientific Name	Size*	Qty	Spacing
Trees				
Douglas Fir	*Pseudotsuga menziessii*	5 gal	4	Per planting plan
Western Red Cedar	*Thuja plicata*	5 gal	4	Per planting plan
Oregon Ash	*Fraxinus latifolia*	3 gal	4	Per planting plan
Pacific Crabapple	*Malus fusca*	3 gal	7	20'–0", o.c.
Pacific Willow	*Salix lasiandra*	1 gal	8	20'–0", o.c.
Scouler's Willow	*Salix scouleriana*	1 gal	4	15'–0", o.c.
Chokecherry	*Prunus virginiana*	3 gal	13	15'–0", o.c.
Shrubs				
Snowberry	*Symphoricarpos albus*	1 gal	58	3'–0", o.c.
Nootka Rose	*Rosa nutkana*	1 gal	62	3'–0", o.c.
Evergreen Huckleberry	*Vaccinium ovatum*	1 gal	41	3'–0", o.c.
Red Flowering Currant	*Ribes sanquineum*	1 gal	61	4'–0", o.c.
Douglas' Spiraea	*Spiraea douglasii*	1 gal	68	4'–0", o.c.
Red-Osier Dogwood	*Cornus stolonifera*	1 gal	51	5'–0", o.c.
Ninebark	*Physocarpus capitatus*	1 gal	33	6'–0", o.c.

Common Name	Examples	Type
Groundcover		
Low-Growing Native Grasses and Wildflowers	Ex: Yarrow and Red Fescue	Seed
Low-Growing Native Grasses	Ex: Buffalo Grass and Red Fescue	Seed
Taller Native Grasses	Ex: Tufted Hairgrass and Blue Wildrye	Seed

*If specified sizes are not available, bare root stock may be substituted.

5.3. PLANTING SPECIFICATIONS

Plants will be installed according to the following specifications.

Planting

- Plant the site with native species according to the planting list.
- Lay out the plants according to the planting plan.
- Plant containerized and bareroot trees and shrubs with shovel or comparable tool. Position the plants' root crowns so that they are at or slightly above the level of the surrounding soil surface.
- Firmly compact the soil around the plants to eliminate air spaces.
- Install anti-herbivore devices, such as seedling protection tubes or mesh protection netting, around the stems of plants as appropriate. Secure with stakes.
- Irrigate all newly installed plants as weather conditions warrant.

Bareroot Stock

- Bareroot stock will be a minimum size of 18 to 36 inches tall.
- Bareroot stock will be kept cool and moist before planting.
- The bareroot stock will have well-developed roots and sturdy stems with an appropriate root-to-shoot ratio.
- No damaged or desiccated roots or diseased plants will be accepted.
- Unplanted bareroot stock will be properly stored at the end of each planting day to prevent desiccation.

5.4. SCHEDULE

Year 1: 2015

- January 2015—Precision dredging and installation of the fish mix rounded rock is scheduled to be completed.
- January–March—Plant installation.
- April–October—Irrigation and maintenance.
- June–August—Conduct monitoring.
- November–December—Replace dead or failing plants as needed.

Year 2: 2016

- April–October—Irrigation and maintenance.
- June–August—Conduct monitoring.

Year 3: 2017

- April–October—Irrigation as needed and maintenance.
- June–August—Conduct monitoring.

Year 4: 2018

- April–October— Irrigation as needed and Maintenance.
- June–August—Conduct monitoring.

Year 5: 2019

- April–October— Irrigation as needed and Maintenance.
- June–August—Conduct monitoring.

5.5. MAINTENANCE

The planting areas will be maintained during the monitoring period to support native plant establishment and to control non-native invasive species. Maintenance will include the following activities.

Irrigation—An irrigation system will be established. In the first year following planting, the irrigation system will be set to allow for 0.5 inch of precipitation two times per week between June 15 and October 1. In the second year following planting, the irrigation system will be set to allow for 0.5 inch of precipitation once per week between June 15 and October 1.

Non-native Invasive Control—Non-native plants will be controlled through mechanical means, including hand removal, brush cutting, and mowing. These activities will be conducted two to three times per growing season, or as needed, during the monitoring period, from approximately April 1 through October 1.

Plant Replacement—Dead or failing plantings may be replaced to meet the performance standards. Dead or failing plants will be evaluated to determine the cause of the decline. Alternate native species may be selected as replacement plants if it appears that these will have a better chance of survival. Replacement plants will be installed as described for the original installation.

5.6. MONITORING PLAN

Planting areas will be inspected and monitored annually for five years. The goal of the monitoring inspections is to determine the survival rate of the installed plant material, to determine the extent of non-native invasive plant encroachment, and to identify maintenance tasks that are required to meet performance standards. Monitoring in the planting areas will include:

- Establishing photo documentation points.
- Comparing the number of planted native trees and shrubs to the number surviving.
- Identifying invasive plant material percent aerial cover and implementing removal as needed.

Monitoring Report

Following each inspection, a monitoring report will be prepared that notes observations made. The report will be submitted to the U.S. Army Corps of Engineers (COE) and will indicate if the planting is successful, not successful, or moving toward successful establishment. The information will indicate performance metrics and will contain photographs and a written description of the planting areas. The report will include the following information:

- The date of the inspection.
- Photodocumentation from established photo points to compare plant growth between monitoring inspections. The photos will be used to support

the findings and recommendations referenced in the report and to assist in assessing whether the project is successful for the monitoring period.

- A site location map indicating the monitoring area and locations of specific photo locations.
- A description of the conditions of the planting project.
- Conclusions. (If performance standards are not being met, a brief explanation of the difficulties will be included.)
- Recommendations for maintenance and adaptive management.

6. ADAPTIVE MANAGEMENT

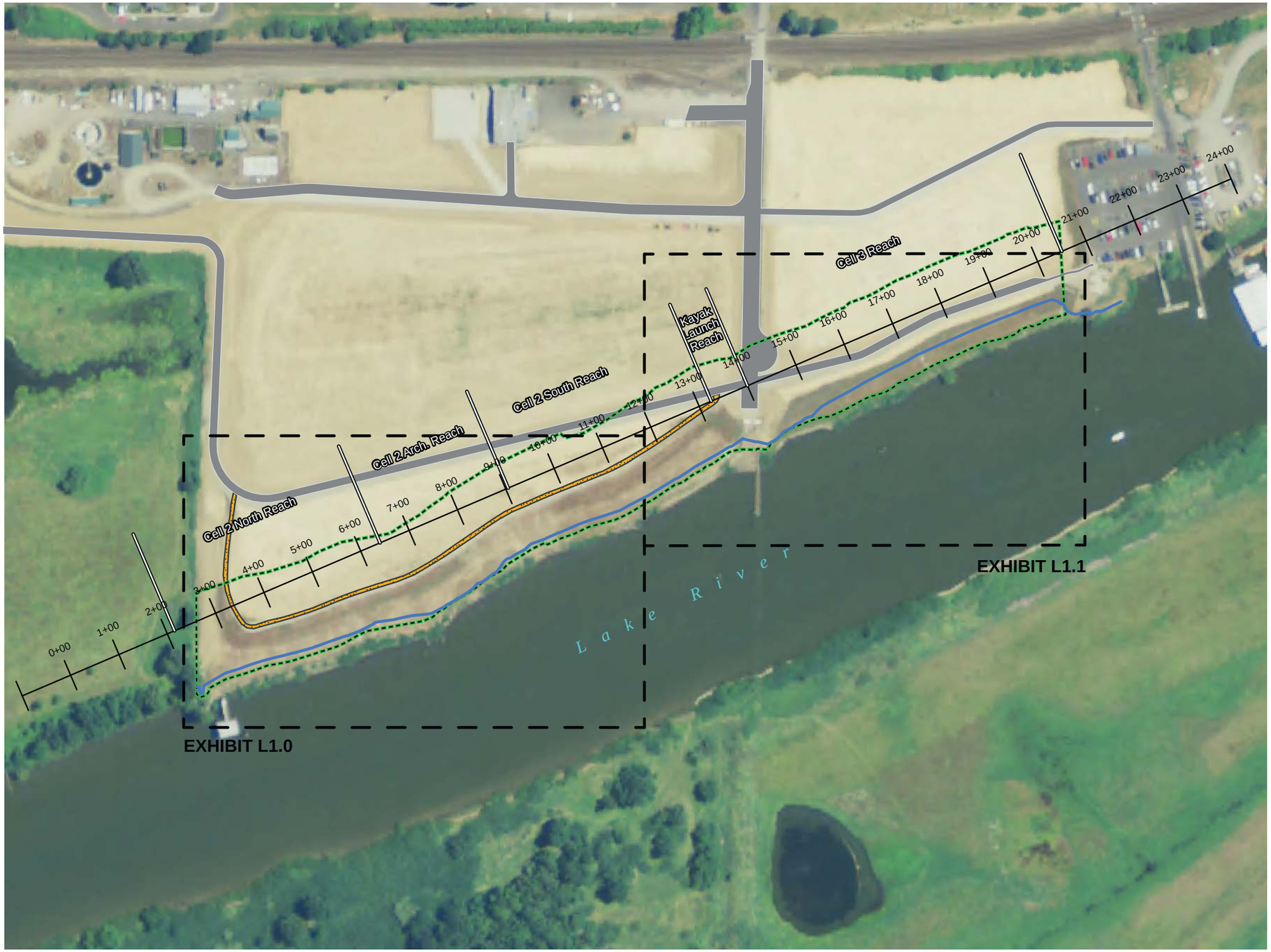
The monitoring and maintenance events will provide a basis of information for evaluating the success of the project and for making any recommendations for adaptive management that may be needed. If the COE or the Port of Ridgefield (the Port) believes that adaptive management of the riparian area is needed, they will collaboratively discuss options, and the Port will present a written proposal to the COE, identifying specific issues and measures for addressing them. Upon receiving written approval by the COE, the Port will proceed to implement the adaptive management measures.

LIMITATIONS

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

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

EXHIBITS



Legend

- Ordinary High Water
- Riparian Area
- Roads
- Gravel Trail

0 100 200
Feet

REMEDIAL ACTION VEGETATION PLAN
LAKE RIVER
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

MFA JOB #:	9003.01.40
ISSUE DATE:	11/18/13
CHECKED:	M.NOVAK
DRAWN:	C.RILEY

MAUL FOSTER ALONGI
2001 NW 19TH AVENUE, SUITE 200
PORTLAND, OR 97209
PHONE: 971.544.2139
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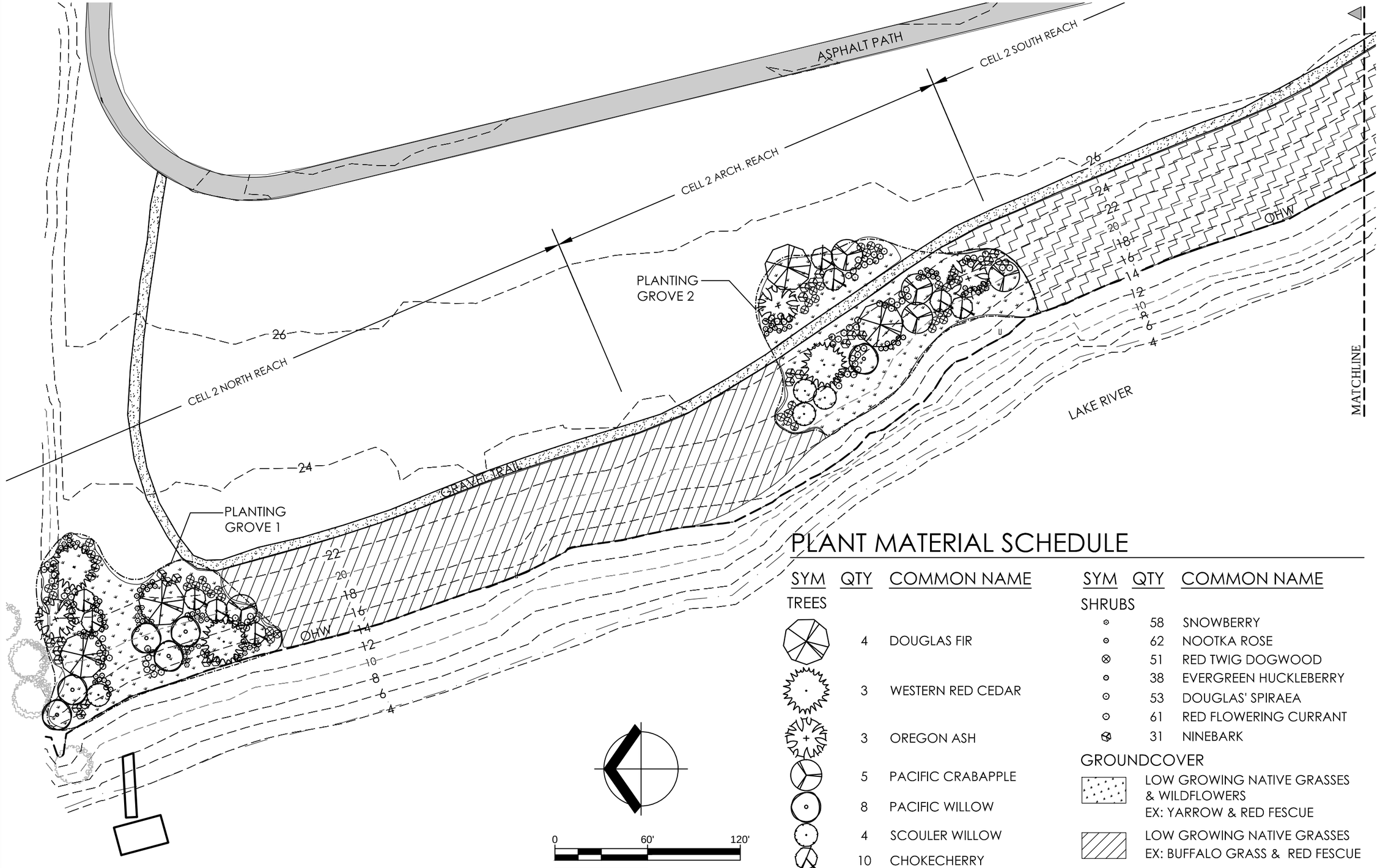
EXHIBIT
C1.0



PLANT MATERIAL SCHEDULE

SYM	QTY	COMMON NAME
TREES		
	4	DOUGLAS FIR
	3	WESTERN RED CEDAR
	3	OREGON ASH
	5	PACIFIC CRABAPPLE
	8	PACIFIC WILLOW
	4	SCOULER WILLOW
	10	CHOKECHERRY

SYM	QTY	COMMON NAME
SHRUBS		
	58	SNOWBERRY
	62	NOOTKA ROSE
	51	RED TWIG DOGWOOD
	38	EVERGREEN HUCKLEBERRY
	53	DOUGLAS' SPIRAEA
	61	RED FLOWERING CURRANT
	31	NINEBARK

GROUNDCOVER

LOW GROWING NATIVE GRASSES & WILDFLOWERS
EX: YARROW & RED FESCUE

LOW GROWING NATIVE GRASSES
EX: BUFFALO GRASS & RED FESCUE

TALLER NATIVE GRASSES
EX: TUFTED HAIRGRASS & BLUE WILDRYE

0 60' 120'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

REMEDIAL ACTION VEGETATION PLAN
LAKE RIVER
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

MFA JOB #:	9003.01.40
ISSUE DATE:	01/15/14
CHECKED:	M.NOVAK
DRAWN:	C.RILEY

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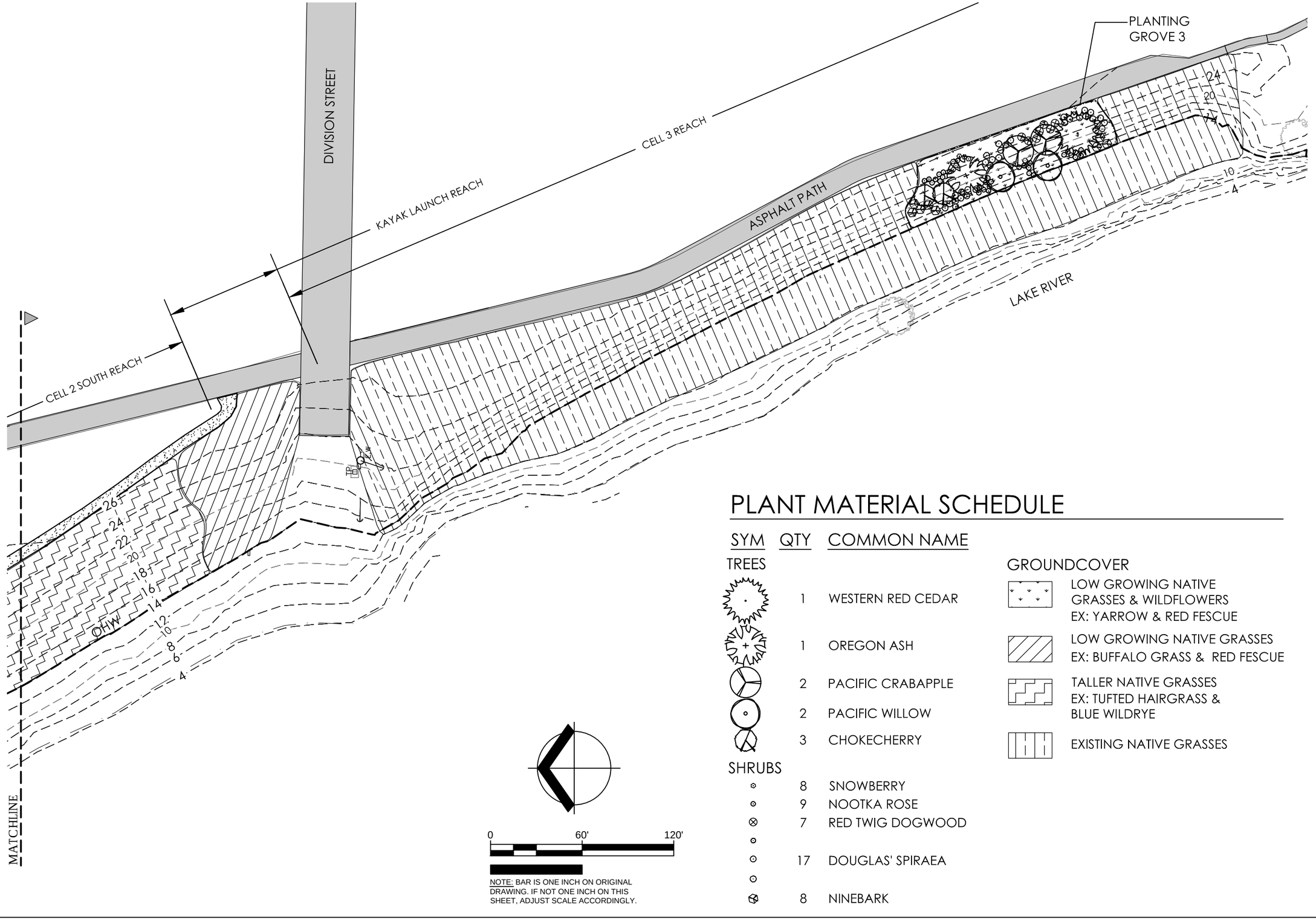
EXHIBIT
L1.0



0 60' 120'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

PLANT MATERIAL SCHEDULE

SYM	QTY	COMMON NAME
TREES		
	1	WESTERN RED CEDAR
	1	OREGON ASH
	2	PACIFIC CRABAPPLE
	2	PACIFIC WILLOW
	3	CHOKECHERRY
SHRUBS		
	8	SNOWBERRY
	9	NOOTKA ROSE
	7	RED TWIG DOGWOOD
	17	DOUGLAS' SPIRAEA
	8	NINEBARK

GROUNDCOVER

- LOW GROWING NATIVE GRASSES & WILDFLOWERS EX: YARROW & RED FESCUE
- LOW GROWING NATIVE GRASSES EX: BUFFALO GRASS & RED FESCUE
- TALLER NATIVE GRASSES EX: TUFTED HAIRGRASS & BLUE WILDRYE
- EXISTING NATIVE GRASSES

REMEDIAL ACTION VEGETATION PLAN
LAKE RIVER
PORT OF RIDGEFIELD
RIDGEFIELD, WASHINGTON

MFA JOB #: 9003.01.40
ISSUE DATE: 01/15/14
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EXHIBIT
L1.1

FIGURE

Source: Aerial photograph obtained from NAIP (2013).
Points and lines measured using Trimble GeoExplorer (MFA).

Note: NGVD = National Geodetic Vertical Datum

Legend

- Ordinary High Water (+14
- Vegetation Measurement Line (Field GPS Measurement)
- Tape Measurement Point

Total Native Vegetation Measured: 148 linear feet

Figure
Lake River
Shoreline Native Vegetation

NWS-2013-875
Lake River Remedial Action
Port of Ridgefield
Ridgefield, Washington

Township 4N, Range 1W, W.M Section 24

0 75 150
Feet

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Path: X:\9003.01 Port of Ridgefield\4.0\Projects\Fig_Lake River Shoreline Native Vegetation.mxd
Print Date: 1/15/2014
Approved By: P. Wiescher
Produced By: jschane
Project: 9003.01.40

APPENDIX

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 1
Shoreline looking southwest towards Port marina: reed canary grass, false indigo, and blackberry. South of Cell 3.

Photo No. 2
Native black cottonwood and reed canary grass, looking west. Cell 3 south.

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 3
Willow species and reed canary grass, looking west. Cell 3 south.

Photo No. 4
Knotweed (Polygonum sp.), reed canary grass, and blackberry, looking southwest. Cell 3 south.

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 5
Oregon ash, and reed canary grass, looking northwest. Cell 3 middle.

Photo No. 6
Knotweed (dark brown), reed canary grass, and thistle, looking south. Cell 3 north.

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 7
False indigo bush and reed canary grass, looking north. Cell 2 south.

Photo No. 8
Willow species (center) surrounded by false indigo bushes, reed canary grass, and knotweed (dark brown), looking south. Cell 2 south.

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 11
Oregon ash shrub in foreground, reed canary grass and false indigo in background, looking west. Cell 2 middle.

Photo No. 10
Native cottonwood in foreground, false indigo bushes in background, looking west. Cell 2 middle.

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 11
Willow sp. shrub in foreground, reed canary grass and false indigo in background. Cell 2 middle.

Photo No. 12
Reed canary grass, false indigo bushes, and small Oregon ash to the right, looking northwest. Cell 2 middle.

APPENDIX—PHOTOGRAPHS

Project Name: Lake River Remedial Action
Project Number: 9003.01.40
Location: 111 West Division Street
Ridgefield, Washington

Photo No. 13
20’ tall native tree (tentatively identified as an ash species based on seed pods) in foreground surrounded by false indigo bushes; native 14’ (ash) tree on the right, looking west. Cell 2 north.

Photo No. 14
Native tree (tentatively identified as an ash species based on seed pods), looking west. Cell 2 north.

APPENDIX H

MONITORING WORKSHEET

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:			
Weather:			
Completed By:			
River Level:		**24hr Precip:**	

Photograph Requirements:

Overview photograph of each cap component to capture composite view of entire cap.

Any noted changes or damage to the cap.

General Observations:

General cap condition and smoothness.

Stormwater flow characteristics (if monitoring conducted during wet weather).

Activity on the site.

Visible changes since previous inspection.

Standing water or areas of concentrated surface water flow.

Visible demarcation fabric.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

- Vegetative cover with estimated coverage.
- Areas of surface erosion (rills/gullies, concentrated sediment deposits).
- Standing water or concentrated surface water flow.
- Cracking of soil surface perpendicular or parallel to riverbank.
- Invasive species present (location and quantity).

Gravel Cap:

- Surface erosion or displacement of gravel.
- Pumping of subgrade soils to gravel surface.
- Damage, tracking, or penetrations.

Asphalt Cap:

- Settling or bulging indicating differential settlement or heaving.
- Cracking or buckling indicating lateral expansion or contraction.

Measurements:

Length and depth of any surface erosion or damage.

Estimated areal coverage of vegetation on soil cap.

Depth of gravel and soil caps at edges adjacent to pavement cap.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49	
Date:		
Weather:		
Completed By:		
River Level:		**24hr Precip:**

General Observations:

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

Gravel Cap:

Asphalt Cap:

Measurements:

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49
Date:	

Location (Station or Coordinates)	Observations	Photo Log

APPENDIX B-2

SOIL MANAGEMENT AND CAP MAINTENANCE PLAN, RAILROAD OVERPASS PROPERTY

SOIL MANAGEMENT AND CAP MAINTENANCE PLAN

RAILROAD OVERPASS PROPERTY

Prepared for
PORT OF RIDGEFIELD
May 9, 2014
Project No. 9003.01.49

Prepared by
Maul Foster & Alongi, Inc.
400 E Mill Plain Blvd., Suite 400, Vancouver WA 98660

MAUL
FOSTER
ALONGI

SOIL MANAGEMENT AND CAP MAINTENANCE PLAN

RAILROAD OVERPASS PROPERTY

The material and data in this plan were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

Madi Novak
Senior Environmental Scientist

Joshua Elliott, PE
Project Engineer

CONTENTS

ILLUSTRATIONS

FOLLOWING PLAN:

FIGURES

DESIGN DRAWINGS

ACRONYMS AND ABBREVIATIONS

CFR	Code of Federal Regulations
CUL	cleanup level
Ecology	Washington State Department of Ecology
LRIS	Lake River Industrial Site
MFA	Maul Foster & Alongi, Inc.
HAZWOPER	Hazardous Waste Operations and Emergency Response
MTCA	Model Toxics Control Act
OSHA	Occupational Safety and Health Act
Port	Port of Ridgefield
Property	the Port's Railroad Overpass property
RCRA	Resource Conservation and Recovery Act
RI/FS	remedial investigation and feasibility study
SAP	Sampling and Analysis Plan
SMCMP	Soil Management and Cap Maintenance Plan
USEPA	U.S. Environmental Protection Agency
WAC	Washington Administrative Code

1 INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this Soil Management and Cap Maintenance Plan (SMCMP) on behalf of the Port of Ridgefield (Port) for the Port's Railroad Overpass property (the Property), which is near the former Pacific Wood Treating Co. (PWT) site in Ridgefield, Washington (Figure 1-1). Information pertaining to the soil management, cap description, and cap maintenance for the Property is provided here; a separate SMCMP pertains to the following nearby Port-owned properties: the Lake River Industrial Site (LRIS) (also known as Miller's Landing), the Railroad Avenue property, and the Port Marina property (see Figure 1-2) (MFA, 2014).

This SMCMP has been prepared in accordance with the requirement of Washington Administrative Code (WAC) 173-340-440 and related provisions of the November 2007 update of the Washington State Model Toxics Control Act (MTCA). This document addresses soil management procedures to be followed in the event of future development or of any condition in which the protective cap is breached. This document also addresses monitoring and maintenance procedures associated with the Property's protective cap. A decision matrix flow chart for conducting ground-disturbing work on the site is provided as Figure 1-3.

The Property is located south of the LRIS; see Figure 1-2. The Property is bordered to the north by W Mill Street, to the east by the Burlington Northern-Santa Fe Railway, and to the south and west by McCuddy's Marina. The Property is located in section 24, township 4 north, range 1 west, Willamette Meridian.

2 PROJECT ROLES AND RESPONSIBILITIES

The roles and responsibilities for management of the Property are discussed below. The individuals identified below may change, and it is the responsibility of the party performing work to obtain up-to-date information.

2.1 Port of Ridgefield

The Port is the current owner of the Property. The Port will be considered the generator of all wastes removed from the Property, for as long as the Port holds ownership. If ownership of the Property changes, waste generation allocation will change to the new property owner. It is the Port (or subsequent owner) that will ultimately determine whether excavated material is managed on site or off site, with the assistance and approval of the Washington State Department of Ecology (Ecology). The Port, as long as it is an owner of the Property, must main records as specified in Section 6.6 and must provide these records to any subsequent property owner. The current director of operations is Laurie Olin, 360-887-3873.

2.2 Maul Foster & Alongi, Inc.

MFA is the environmental consultant and engineer for the project. MFA has performed and will continue to perform technical analysis and evaluation of plans related to future development; conduct sampling and evaluation of site activities, as necessary; document environmental conditions; and certify compliance with long-term monitoring and maintenance plans and this SMCMP. MFA will assist the Port with regulatory compliance and waste-handling determinations and can be reached at (360) 694-2691.

2.3 Washington State Department of Ecology

Ecology will continue to provide environmental oversight for future redevelopment projects that will encounter impacted site soil. The current Ecology project manager is Craig Rankine, (360) 690-4795.

3 RESIDUAL CONTAMINATION IN SOIL

Dioxins are the only indicator hazardous substance for the Property. It is assumed that some dioxin contamination remains below the protective cap. Therefore, all work on the Property that breaches the protective cap must adhere to the soil-management procedures outlined in this document.

Figure 3-1 shows the sampling location and dioxin ecological toxicity equivalence concentrations relative to the ecological cleanup level (CUL) of 9.8 nanograms per kilogram. An interpolation of estimated dioxin concentrations was developed during remedial design, based on the sample concentration on samples collected from the Property and the Port-owned off-property areas. The estimated concentration contours are shown on Figure 3-1.

4 SOIL MANAGEMENT PROCEDURES

Before the start of any work that will expose soil below the protective cap at the Property, a soil-handling work plan may be required. The soil-handling work plan should identify the quantity of soil cap to be worked or moved and where it will be staged; the quantity of impacted soil to be disturbed; and where it will be placed on site, stockpiled, or disposed of. The work plan should show the original cap layout and the restoration of an equally protective cap, as applicable.

The following sections describe the general protocol for soil handling associated with specific construction conditions. Construction conditions outside those defined below will require evaluation on a case-by-case basis to establish a protocol. The following conditions may be encountered during standard site-development activities.

4.1 Protective Cap Soil

Depending on the type of project, construction activities may be limited to disturbance of the protective cap zone. Disturbances of the protective soil cap (i.e., above demarcation fabric) will not involve any special health and safety requirements (outside standard construction health and safety protocols). Care shall be taken to maintain cap integrity during construction activities taking place on the protective cap. If the protective soil cap is disturbed, reconstruction will be required. Ruts in the protective cap are to be filled with clean fill to avoid ponding. Grading or moving cap material from one location to another will not be permitted if it creates an area in the cap that does not meet the minimum thickness. Cap surface slopes must be maintained for adequate stormwater flow, and best management practices must be implemented to prevent erosion of cap material. Details on cap restoration are provided in Section 5.

4.2 Soil beneath Cap

All construction activities that require excavation below the established or reconfigured cap (e.g., soil cap and demarcation fabric, pavement, concrete, building) and that will result in the disturbance of soil that may be impacted are required to comply with the protocol presented in this section. Impacted soil below the cap may be breached during general construction activities, including but not limited to the following: utility or stormwater conveyance construction, underground structure or building foundation construction, and general earthwork and earth-moving activities. Worker safety requirements pertaining to handling of impacted soil are provided in Section 6.2.

Soil above the demarcation fabric is clean fill. Should the soil cap become contaminated (e.g. contact or be mixed with soil from below the demarcation fabric), clean soil must be imported and used as replacement soil. Impacted soil beneath the demarcation fabric must be handled separately from the clean protective cap soil in order to:

- Avoid cross-contamination of clean protective cap soil.
- Allow reuse of the protective cap for soil cap restoration activities.
- Limit the amount of soil to be handled as impacted soil.
- Ascertain the disposal status of impacted soil.

Soil excavated below the demarcation fabric will be assumed to be impacted by dioxins unless proven otherwise. Therefore, the soil must be segregated from other soils. Impacted soil can be handled either by placing it where it was originally excavated, by placing and capping at a new on-site location consistent with Ecology-approved cap options (see Section 5), or by disposing of the impacted soil off site.

The impacted soil that is generated from construction activities should not be placed on any portions of the clean soil cap, temporarily or otherwise. Impacted soil, regardless of where the soil is stored, should be placed on and covered by an impermeable liner at all times. Impacted soil can be stockpiled for up to 90 days without requiring a Resource Conservation and Recovery Act (RCRA) permit. A RCRA permit must be obtained to store impacted soil longer than 90 days.

When impacted soil is excavated, stockpiling should be limited to the extent possible. If soil must be stockpiled on top of the protective soil cap, then stockpiles of impacted soil should be placed as close to the excavation as possible with the smallest footprint possible, and should be placed on and covered with an impermeable liner. The existing grade should be cleared of debris and any objects that have the potential to puncture the liner. A berm, constructed of imported or unimpacted site soil, compost socks, hay bales, sandbags, or equivalent material as approved by the supervising engineer, is to be installed along the perimeter of the impacted soil stockpile. The liner bottom and cover must extend up and over the perimeter berm so there is no impacted soil contact with precipitation or stormwater runoff. Impacted soil is to remain covered except when the stockpile is in use. Impacted soil *must not* be mixed with cap soil. If impacted soil is released on the cap surface, the impacted cap surface is to be removed and handled as impacted soil. Any soil cap that is removed must be replaced with a clean soil cap or other Ecology-approved cap.

When excavation activity is expected to go below the established cap, the demarcation fabric should be cut away from the boundary of the proposed excavation. To avoid creating a tear or gap in the fabric beyond the excavation area, the fabric may not be pulled or torn by excavation equipment at the boundary of the excavation. Replacement fabric will be overlapped with existing fabric to the extent possible to maintain a consistent fabric covering.

The current cap configuration, thicknesses, and materials for the Property are shown in the attached design drawings. A description of cap types approved by Ecology for the Property is provided in Section 5. If activities on the Property are expected to result in handling of impacted soils in a manner inconsistent with this plan or using a cap profile different from that previously approved, Ecology approval must be secured as described in Section 5.2.

4.2.1 Replacement at Original Excavation

Impacted soil placed into its original excavation (around foundations, pipes, or underground structures) should be compacted as directed by the engineer. New demarcation fabric matching the existing fabric specifications shall be installed over the re-placed impacted soil where the fabric will not be covered by an impervious surface, to form continuous coverage with adjacent fabric edges. Impervious surfaces are in and of themselves the demarcation layer.

When impacted soil is excavated and slated for placement at a different on-property location, it is expected that the impacted soil will be transferred directly to its new location to limit stockpiling to the extent possible. If soil must be stockpiled on top of the protective soil cap, then stockpiles of impacted soil should be placed as close to the excavation as possible, should cover the least possible amount of cap area, and should be placed on and covered with an impermeable liner. The existing grade should be cleared of debris and any objects that have the potential to puncture the liner. A berm constructed of imported or unimpacted site soil, compost socks, hay bales, sandbags, or equivalent material as approved by the supervising engineer is to be installed along the perimeter of the impacted-soil stockpile. The liner bottom and cover must extend up and over the perimeter berm so that there is no impacted-soil contact with precipitation or stormwater runoff. Impacted soil is to remain covered except when in use. Impacted soil *must not* be mixed with cap soil. If

impacted soil is released on the cap surface, the impacted cap surface is to be removed and handled as impacted soil. Any soil cap that is removed must be replaced with clean soil.

4.2.2 New Placement Location

If impacted soil cannot be re-placed in the original excavation, then the impacted soil may be used as backfill at other areas of the Property below an Ecology-approved cap. Instances that may potentially warrant a new placement location include large excavations for subgrade, footing, or utility trenches, where re-placement in the original location is not possible. Upon approval of a new placement location (e.g., beneath landscaping area, roadbed, building structure, constructed staging area), the material must be capped consistent with minimum capping guidelines described in Section 5 of this SMCMP. If new capping profiles or materials are proposed (other than those listed below), approval from Ecology will be required.

4.3 Off-Site Disposal

4.3.1 Analysis

Analysis is required for all soil generated from the Property prior to off-site disposal. Dioxin/furan congeners with tetra-, penta-, and hexa- prefixes must be analyzed by U.S. Environmental Protection Agency (USEPA) Method 1613. Appendix A provides sampling and analytical requirements.

4.3.2 Disposal

Based on the findings of a memorandum from MFA to Ecology, a copy of which is provided with this SMCMP as Appendix B, hazardous-waste codes are not applicable to soil that could be generated from the Property. This determination was based on the guidelines provided by the USEPA document clarifying the management of remediated waste (USEPA, 1998). If soil sample results exceed the current and relevant MTCA ecological or human health CUL for dioxins, then the soil must be disposed of at a Subtitle D landfill. If results are below the current and relevant MTCA ecological or human health CUL, then there are no special handling or disposal requirements. The soil may be used as clean soil cap if it is found to meet all other clean cap analytical requirements as described in the Sampling and Analysis Plan (SAP) found in Appendix A. The MTCA ecological CULs were established as the CULs for the cleanup of the Property. The CULs for all human health should be evaluated at the time of soil characterization.

5 PROTECTIVE CAP

The soil cap profiles have been designed to ensure the appropriate degree of protectiveness for ecological and human receptors from the impacted material that remains on the Property. The following describes the cap conditions post remedial action at the Property.

A soil cap of varying thicknesses (but at a 2-foot minimum) is to be installed over the site. The cap area is 1.42 acres. Design drawings for the proposed cap are attached. The cap consists of demarcation fabric installed over contaminated fill or existing grade. If the soil cap is disturbed, the cap must be reconstructed to match the preconstruction cap thickness and configuration.

When redevelopment of the Property requires alteration of the cap types and/or configuration, the Port will notify Ecology 30 days before construction. The following are Ecology-approved cap options.

Table
Capping Options

Type of Use	Typical Section
Landscaping/green space	
<2 feet soil	• Geotextile as demarcation; no landscaping; impermeable surface required (e.g., pavement, impermeable liner to prevent infiltration, buildings)
2 to 3 feet soil	• Geotextile as demarcation layer; ground cover; gravel surfaces, or other surface as approved by Ecology; and any grasses as outlined in the final remedial investigation and feasibility study (RI/FS) (MFA, 2013)
3 to 6 feet soil	• Geotextile as demarcation layer; shrubs or trees; gravel surfaces, or other surface as approved by Ecology; and any grasses as outlined in final RI/FS (MFA, 2013)
>6 feet soil	• No geotextile and no vegetation planting restrictions
Parking	Impermeable surface (min. thickness 3 inches) with clean subbase as necessary for construction
Building/structure	Slab-on-grade (min. thickness 3 inches) with subbase as necessary for construction
Sidewalk/pathway	Impermeable surface (min. thickness 2.5 inches) with clean subbase as necessary for construction or gravel surface with minimum 2 feet clean fill

5.1 Soil Cap Requirements

Import soil to be used as clean capping material will require approval from Ecology, and will follow guidelines that include, but are not limited to, the following.

The owner of the proposed fill material must hire a qualified environmental professional to obtain representative samples of the proposed fill material for laboratory analysis. The engineer and/or environmental professional will conduct sampling in accordance with the SAP found in Appendix A. Samples will be analyzed by a certified environmental testing laboratory. The owner of the proposed fill material is responsible for any and all costs associated with the sampling and analysis of fill material, unless an agreement is made that states otherwise. The final determination for acceptance of clean soil will be made at the discretion of the Port, in consultation with Ecology. The analysis described in the SAP will be used as a guide for decision making.

5.1.1 Geotextile

Geotextile to be used as the demarcation layer must at least meet the minimum technical specifications of nonwoven SKAPS GT-160 Geotextile™ or equivalent. Specifications for this geotextile are provided in Appendix C.

5.1.2 Vegetation

Vegetation should be restored according to the guidelines identified in the terrestrial ecological evaluation, which can be found in the final RI/FS for the LRIS (MFA, 2013). A planting list is provided in Appendix C. Areas of 2-foot-minimum cap thickness are to be planted with grasses and vegetation that have shallow root systems. Shallow-rooted trees, shrubs, and grasses are allowed in areas of 3-foot-minimum cap thickness.

5.2 Other Capping Material

Other capping material that may be used includes impermeable surfaces such as building foundations and footings and concrete surfaces or structures. If other surfacing materials are desired as part of future redevelopment activities (other than those listed in the table above), Ecology's approval is required.

6 SITE CONTROLS

The generation of impacted soil triggers the requirement to implement specific site controls. These controls are required in order to protect the adjacent environment and reduce potential exposure of the nearby public to the impacted soil material that remains capped at the Property.

6.1 Fencing and Signage

In the event of redevelopment activities that generate impacted soil, fencing should be maintained in order to restrict public access to areas of the Property that are no longer contained by a cap. Signage shall be posted on the fencing separating the public from uncapped areas.

6.2 Worker Health and Safety

All future redevelopment activities that penetrate the cap, and that thereby generate impacted soil, are to be conducted according to WAC 173-340-810; the Occupational Safety and Health Act (OSHA) of 1970 (29 U.S. Code Sec. 651 et seq.); the Washington Industrial Safety and Health Act (Chapter 49.17 Revised Code of Washington); and relevant regulations. The developer will be required to prepare a health and safety plan before beginning work; this plan should be available for review by the Port and/or Ecology by request. The health and safety plan shall, at a minimum, set

forth the requirements and protections for working in areas containing soil that may be chemically impacted, and shall include the following:

- Current Hazardous Waste Operations and Emergency Response (HAZWOPER) certification for workers disturbing impacted soil
- Indicator hazardous substances and site background
- Personal protective equipment
- Personal hygiene and decontamination protocols
- Medical surveillance
- Hazard communication and site control
- Recordkeeping and reporting

6.2.1 Qualified Personnel

The developer will retain a contractor that will complete the development work in compliance with OSHA regulations (29 Code of Federal Regulations [CFR] § 1910.120 and § 1926.65); workers in any area of the Property that is temporarily uncapped during construction and those who will come in contact with impacted soil must be qualified personnel. The qualified personnel must have received the HAZWOPER standard 40-hour training and/or received refresher training in the past year. Managers and supervisors directly overseeing the working crew must have received an additional eight hours of specialized training in hazardous-waste management supervision.

6.3 Land Use Restrictions

The environmental covenant for the Property provides additional land use restrictions, and should be referenced and complied with when a new land use is proposed. Because impacted soil remains on the Property, there may be requirements associated with development and limitations to specific land uses.

6.4 Hazard Communication

Appropriate training must be provided for personnel who will come in contact with potentially contaminated material. Additionally, all waste containers must be labeled consistent with 29 CFR § 1910.1200.

All contractors doing work on site must be provided the Consent Decree before starting work.

6.5 Notification and Reporting

Ecology approval must be obtained prior to alteration of approved cap types and/or configuration. As indicated in Section 5.2, Ecology must be provided notice that alternate cap types/configuration are under consideration. This notice should be provided well in advance of development to allow

time for the approval process. Ecology will review the request and provide approval or will request additional information or analysis within 30 days. Construction of the alternate cap/types or configuration will not begin until receipt of Ecology approval.

The contractor shall maintain weekly reports of field activities during any active construction that disturbs soil or other cap material on the Property. The Port will prepare or oversee the preparation of a project completion report to document the management of impacted soil for each project in which such work is conducted. The report will document the management techniques used and the approximate volumes of materials handled, and will provide placement or disposal information, disposal manifests, and analytical data generated during management of the impacted material. The contractor's weekly reports and project completion reports will be maintained by the Port in a cap monitoring and construction master file.

6.6 Recordkeeping

The Port and any subsequent property owner must maintain records, documenting the following:

- On-site placement of excavated soil, including delineation of the disposal areas and estimated volumes
- Off-site disposal of excavated soil, including waste characterization, shipping manifests, and disposal certificates
- Cap breach reports, including where the cap was breached, methods for replacement, figures showing areas of cap disturbance, materials used, and any analytical results

7 PROTECTIVE CAP MONITORING AND MAINTENANCE

The protective cap requires regular and routine inspection to evaluate and maintain its integrity. Monitoring and, if required, maintenance should be conducted annually, at a minimum. This will provide an opportunity to correct small, localized failures before they become larger, more detrimental failures. In addition to annual inspection, an inspection is to take place after a large natural disaster occurs in close proximity to the Property, or after any other large-scale disturbance occurs near or at the Property. As the cap is the main barrier of protection between remaining impacted soil and human and ecological receptors, it is imperative that the cap maintain its intended integrity. This section outlines the monitoring and inspection procedure for each of the protective capping materials.

Monitoring personnel should complete the worksheet provided in Appendix D. The purpose of the monitoring event is to document existing conditions of capping materials and structures. The documentation can be used as a reference in evaluating the severity of cap degradation, if any, to determine if corrective action is required.

7.1 Soil Cap Inspection

The following describe the minimum observation and monitoring requirements per soil cap inspection. All recorded observations (using the worksheet in Appendix D) should be accompanied by photographs documenting the following:

- Overall cap condition
- Visible rills or gullies
- Evidence of stormwater ponding or concentrated flow
- Exposed demarcation fabric

7.2 Vegetation Inspection

The inspection for vegetation should be qualitative and quantitative. The following lists the minimum observation and monitoring requirements per inspection of site vegetation:

- Overall vegetation condition
- Overall vegetation percent coverage
- Areas of nonestablished or failing vegetation
- Areas of dead or dying vegetation
- Observance of invasive species

7.3 Corrective Action

If evidence of erosion or failure is observed in any of the abovementioned caps, the person conducting the inspection and reporting should consult with an engineer familiar with cap materials and structures. The engineer may decide that additional analysis or observation is necessary in order to determine if the damage will reduce the effectiveness of the protective cap. Corrective action will be evaluated on a case-by-case basis according to the type and/or severity of damage and the urgency. The following should be conducted in order to document damage and to evaluate a plan for corrective action:

1. Engineer's internal review of inspection reports and photographs
2. Site visit by the engineer to review damage
3. Additional measurement or analysis (survey, sample collection, or analysis)
4. Consultation with Ecology regarding the damage or deterioration and the engineering assessment
5. Proposal for repair prepared by the engineer (if determined necessary)
6. Obtaining and supervising a contractor completing repair work

7.4 Soil Cap and Vegetation Maintenance

Soil cap and vegetation maintenance will be conducted based on the findings of the annual monitoring report. If areas of the soil cap have eroded, replacement of the eroded areas with soil and vegetation will be required. This may require additional seeding and/or planting.

All vegetated areas should include a survey for invasive species as part of the routine maintenance. An attempt shall be made to eliminate observed invasive species, such as Himalayan blackberry and reed canary grass.

LIMITATIONS

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

Opinions and recommendations contained in this plan apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this plan.

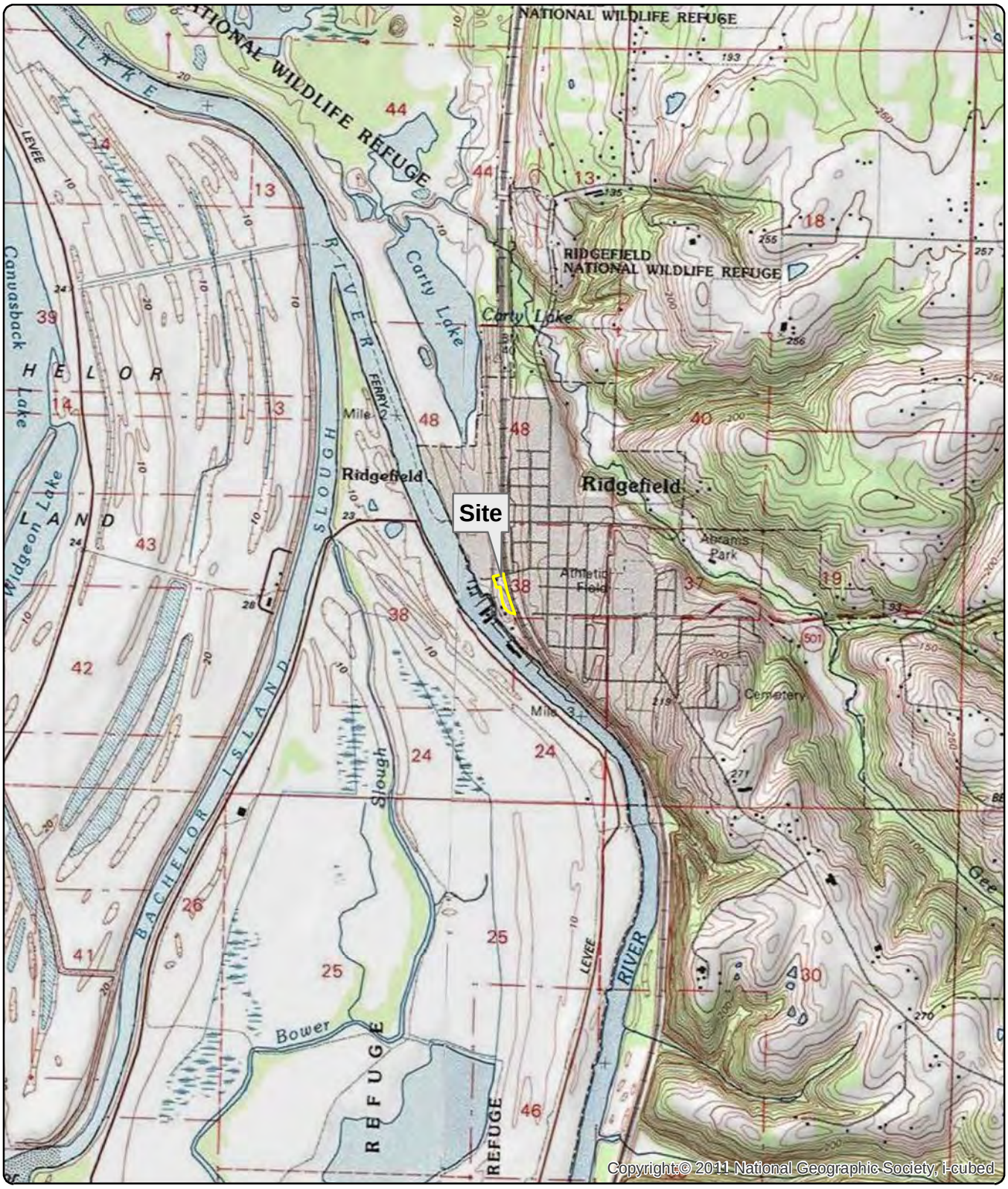
REFERENCES

MFA. 2013. Final former PWT site remedial investigation and feasibility study. Former Pacific Wood Treating Co. site. Prepared for the Port of Ridgefield. Maul Foster & Alongi, Inc. July 1.

MFA. 2014. Soil management and cap maintenance plan. Former Pacific Wood Treating Co. Site. Prepared for the Port of Ridgefield, Maul Foster & Alongi, Inc. Forthcoming.

USEPA. 1998. Management of remediation waste under RCRA. EPA530-F-98-026. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. October 14.

FIGURES



111 W. Division Street, Ridgefield, WA 98642
Source: USGS (1990) 7.5 Minute Topo Quads:
Saint Helens & Ridgefield
Section 24, Township 4N, Range 1W of Willamette Meridian

Figure 1-1
Property Location

Railroad Overpass Property
Ridgefield, Washington

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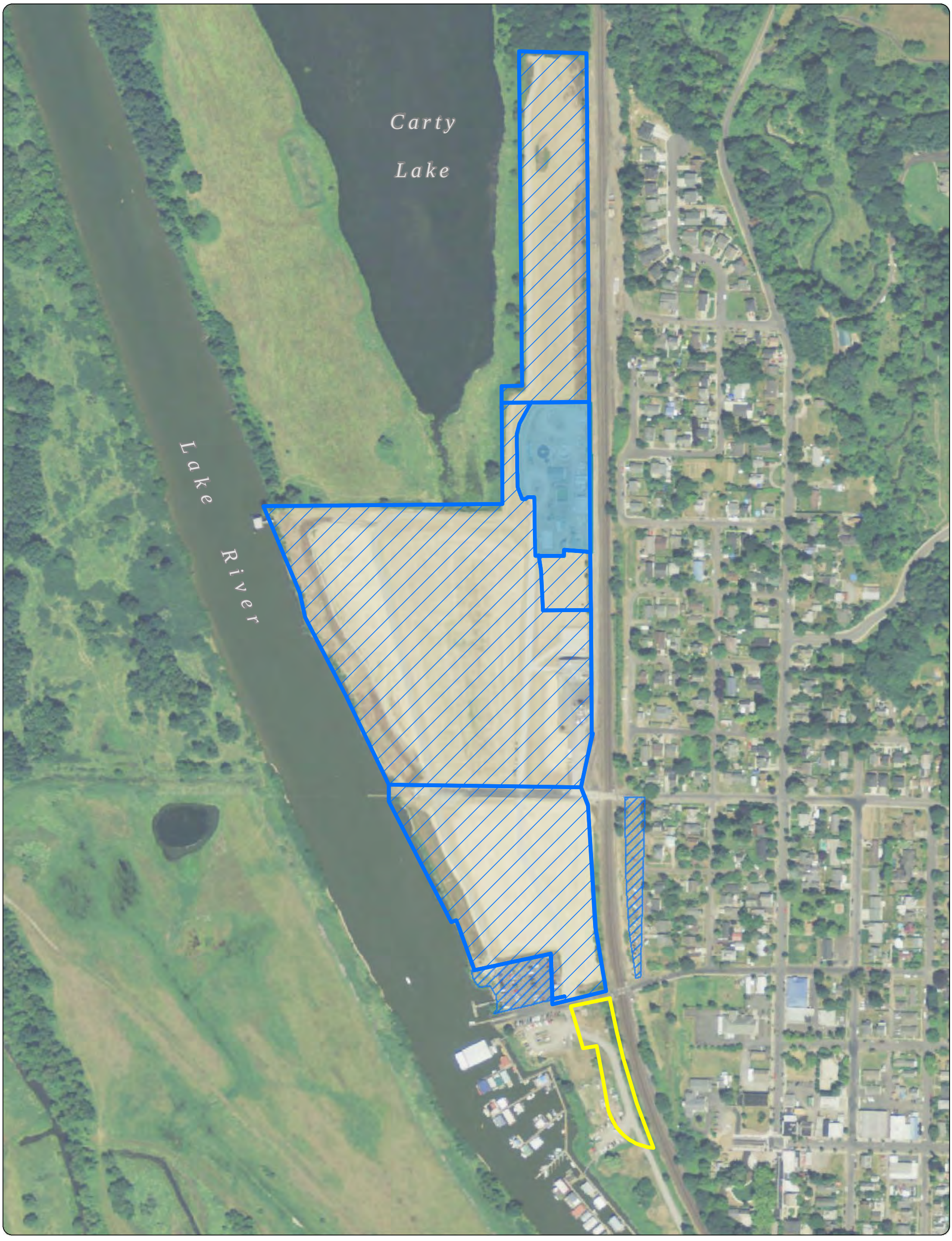
0 990 1,980
Feet

Project: 9003.01.49-01 Produced By: jaxelrod Approved By: M. Novak Print Date: 4/29/2014
File: X:\9003.01 Port of Ridgefield\49\Projects\01\Railroad Overpass SMCMP\Fig1-1_Property Location.mxd



Source: Aerial imagery (2013) obtained from National Agriculture Imagery Program (NAIP).

Notes:
1. LRIS = Lake River Industrial Site
2. WWTP = Wastewater Treatment Plant

Legend

- Railroad Overpass Property
- LRIS
- City of Ridgefield WWTP
- Other Port-Owned Properties

Figure 1-2
Property and Site Overview

Railroad Overpass Property
Ridgefield, Washington

0 175 350
Feet

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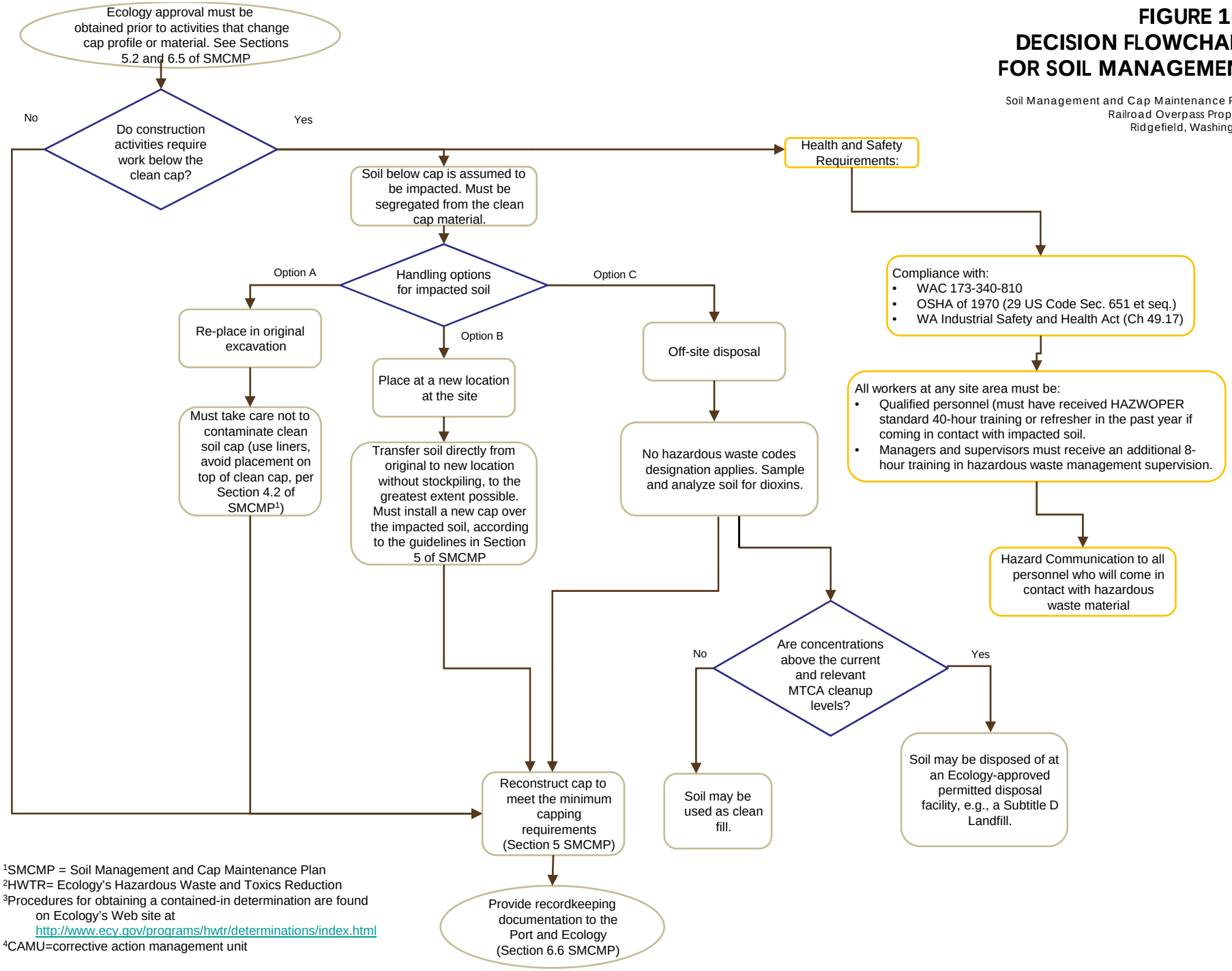
FIGURE 1-3
DECISION FLOWCHART FOR SOIL MANAGEMENT

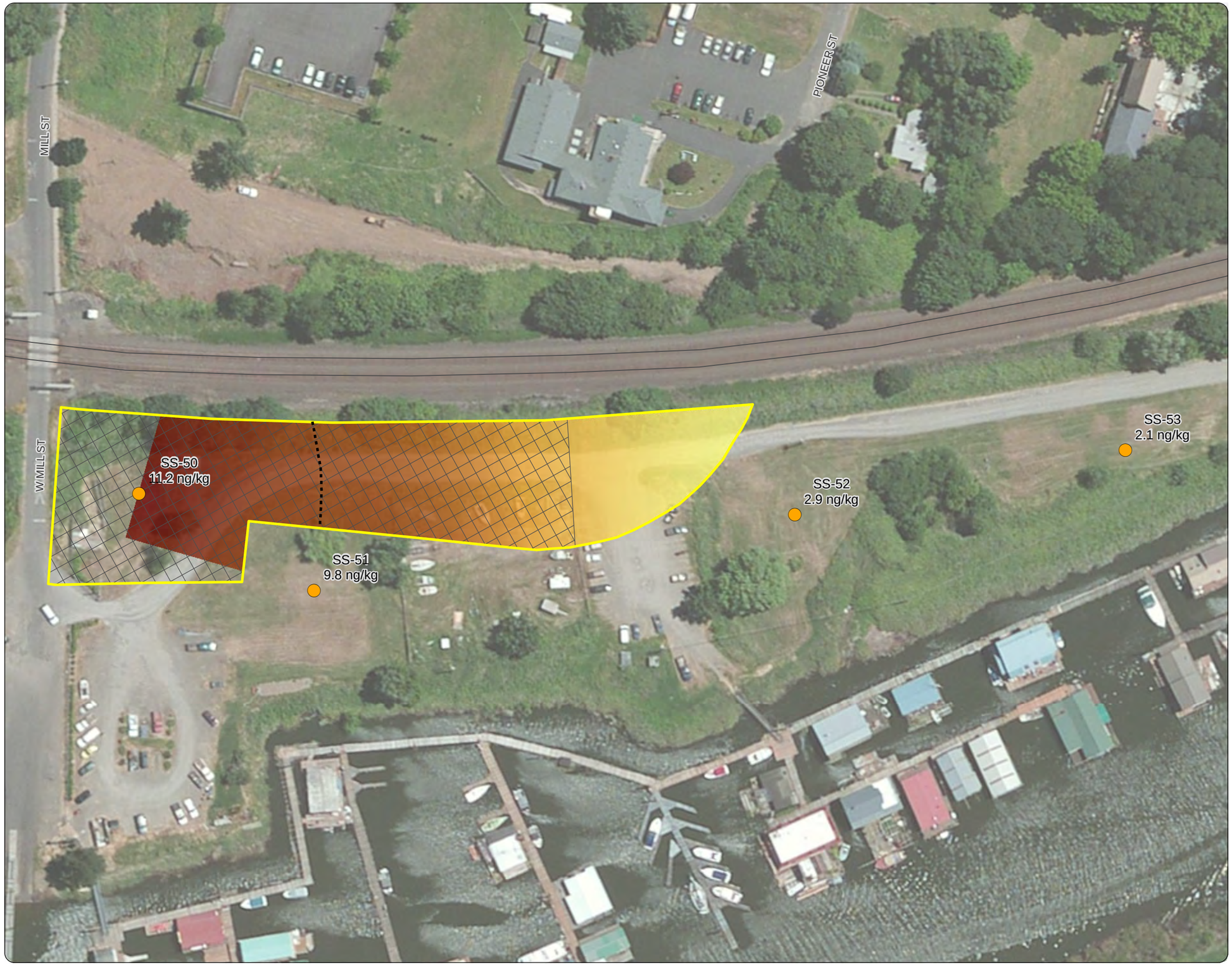
Soil Management and Cap Maintenance Plan
Railroad Overpass Property
Ridgefield, Washington



[1]SMCMP = Soil Management and Cap Maintenance Plan
[2]HWTR= Ecology's Hazardous Waste and Toxics Reduction
[3]Procedures for obtaining a contained-in determination are found on Ecology's Web site at http://www.ecy.gov/programs/hwtr/determinations/index.html
[4]CAMU=corrective action management unit

Figure 3-1
Ecological Dioxin TEQ in Soil

Railroad Overpass Property
Ridgefield, Washington



Legend

- Soil Sample Location
- Ecological CUL Contour (9.8 ng/kg)
- Proposed Cap Extents
- Overpass Property Boundary

Dioxin TEQ (ng/kg)

- High : 11.2
- Low : 2.1

Notes:
1. ng/kg = nanograms per kilogram
2. Interpolation created using IDW default parameters in ArcGIS 10.2.
3. CUL = cleanup level

0 40 80
Feet

Source: Aerial photograph obtained from ESRI, Inc. ArcGIS Online.

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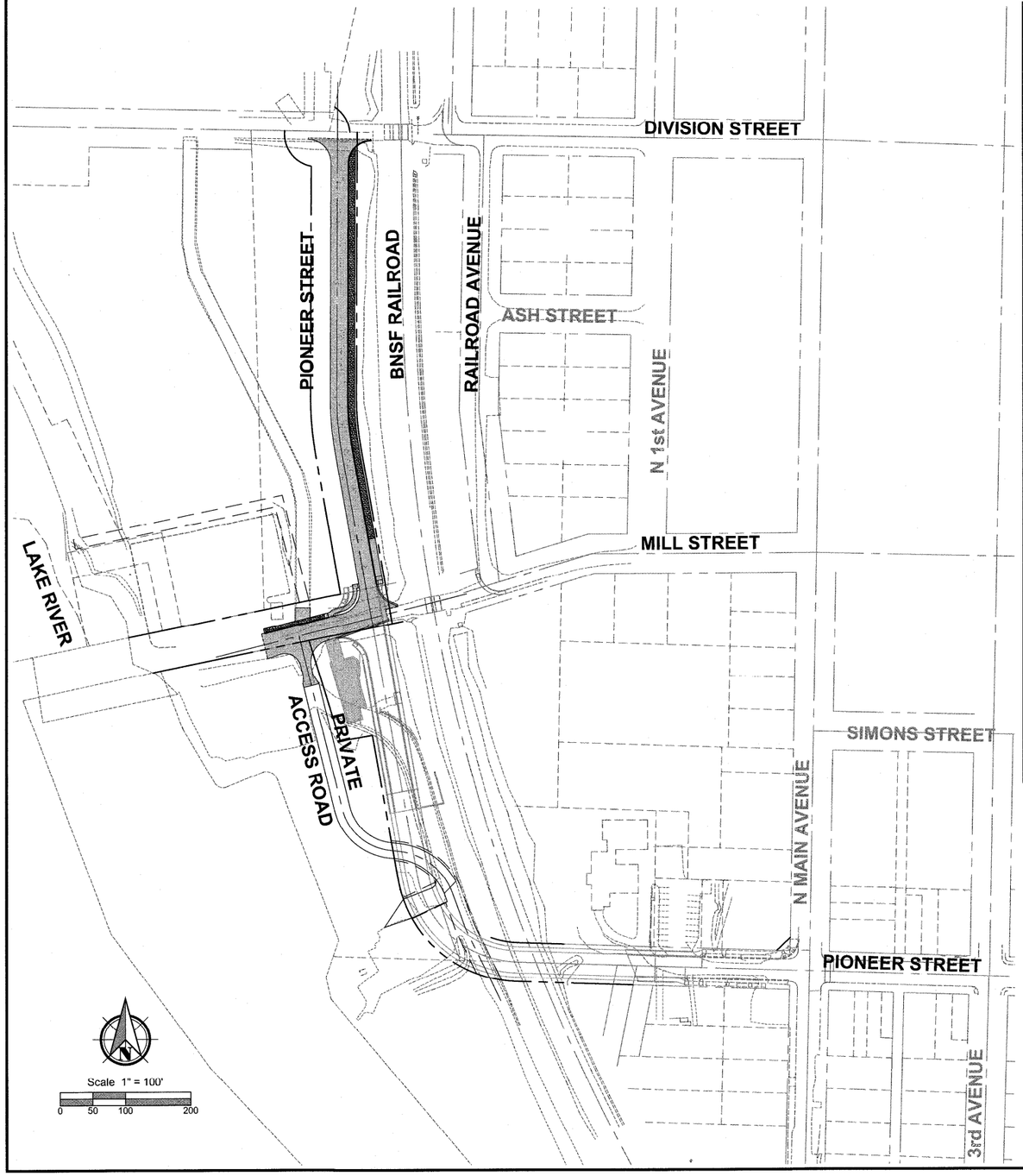
Path: X:\9003.01 Port of Ridgefield\49\Projects\01\Railroad Overpass SMCMP\Fig3-1_Ecological Dioxn TEQ in Soil.mxd
Print Date: 4/29/2014
Approved By: MRM
Produced By: jaxelrod
Project: 9003.01.51

DRAWINGS

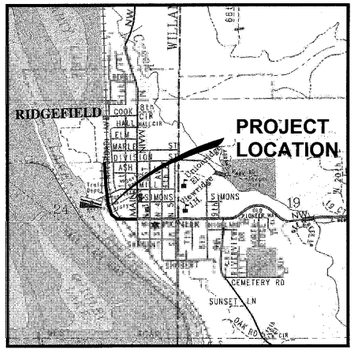
Port of Ridgefield - Rail Overpass Project - Phase II

Located in the City of Ridgefield, Clark County, Washington at the western terminus of State Route 501 (MP 16.91), within Section 24, Township 4 North, Range 1 West, Willamette Meridian



INDEX OF SHEETS

INDEX OF LANDSCAPE SHEETS



VICINITY MAP
NOT TO SCALE

WSDOT SW REGION
FOR CONCURRENCE
SW REGION LOCAL PROGRAM ENGINEER — Date

City Of Ridgefield Approval
Approved — Date

"I hereby certify that these plans, and related design, were prepared in strict conformance with the City of Ridgefield Engineering Standards for Public Works Construction, as modified by Approved Modification, Variance, or Condition of Approval."

AGENCY APPROVAL SET

No.	Revision	Date	By	App'd
A	PRELIMINARY - ISSUED FOR REVIEW			

FEDERAL CONTRACT No. TA-4214
FEDERAL AID No. HSR-STPD-1085(004)

DESIGNED	DPS
DRAWN	DPS
HDJ PROJ #	2555_3
HOR.	
VERT.	
DATE	Nov 18, 2013
DWG:	C001
SHEET	1 OF 57

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555 "It's the Law" NORTHWEST UTILITIES NOTIFICATION CENTER

PORT OF RIDGEFIELD
Rail Overpass Project
COVER SHEET

SCOTT GILLILAND — STATE OF WASHINGTON — 21600 — REGISTERED PROFESSIONAL ENGINEER — 11/8/13

HDJ DESIGN GROUP PLLC — engineers | landscape architects | planners | surveyors
JACOBS

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(360) 887-3403 Fax
www.portofridgefield.org

GENERAL NOTES:

1. HORIZONTAL DATUM: NAD 83/91, WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, US-FEET, BASED ON RTK-GPS TIES FROM CLARK COUNTY GEODETIC CONTROL POINT NUMBER "1" (POINT ID 1241)
2. VERTICAL DATUM: NGVD 1929-47 (CLARK COUNTY DATUM) BASED ON DIFFERENTIAL LEVEL LOOP FROM CLARK COUNTY GEODETIC CONTROL POINT NUMBER "1" (POINT ID 1241), ELEVATION=109.255 (CLARK COUNTY DATUM).
3. SURVEY DATA COLLECTED BY MINISTER AND GLAESER SURVEYING, INC., 2200 E. EVERGREEN BOULEVARD, VANCOUVER, WA 98661, (360) 694-3313 ON THE FOLLOWING DATES: 05-14-07 THRU 06-03-07, 06-29-10 THRU 07-01-10, 09-15-10 AND 07-12-13.
4. EXISTING UTILITIES SHOWN ON THE PLANS ARE PER SURFACE LOCATIONS AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. IF CONFLICT EXISTS, NOTIFY THE ENGINEER AND UTILITY COMPANY. PROCEED ONLY AS DIRECTED AND PER STANDARD POLICY AND REGULATIONS (INCIDENTAL TO STORM SEWER PIPE AND OTHER UTILITY CONFLICTS).
5. AT THE END OF EACH DAY, THE CONTRACTOR SHALL CLEAN UP THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER. UPON COMPLETION, THE CONTRACTOR SHALL LEAVE THE PROJECT FREE OF DEBRIS AND UNUSED MATERIAL.
6. IF EXISTING CURB AND SIDEWALK DESIGNATED TO REMAIN ARE DAMAGED, THE CURB AND/OR SIDEWALK SHALL BE REMOVED AND REPLACED TO THE ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
7. CONTRACTOR TO COORDINATE UTILITY RELOCATIONS WITH CLARK PUBLIC UTILITIES FOR POWER, QWEST FOR TELEPHONE, NW NATURAL FOR GAS AND COMCAST FOR CABLE TV.
8. CONTRACTOR SHALL MAINTAIN INGRESS/EGRESS FROM ALL PRIVATE PROPERTY DRIVEWAYS DURING CONSTRUCTION.
9. SEE SHEET 27 TO 31 FOR STANDARD CITY OF RIDGEFIELD AND WSDOT STANDARD DETAILS.
10. RETAINING WALLS 4 FEET AND TALLER MUST OBTAIN A SEPARATE CITY OF RIDGEFIELD BUILDING PERMIT.

Linetype Legend

Existing Sanitary Sewer Pipe	SA
Existing 4" Sanitary Sewer Pipe	4" SAN SP
Existing 6" Sanitary Sewer Pipe	6" SAN SP
Existing 8" Sanitary Sewer Pipe	8" SAN SP
Existing 10" Sanitary Sewer Pipe	10" SAN SP
Existing 12" Sanitary Sewer Pipe	12" SAN SP
Existing 15" Sanitary Sewer Pipe	15" SAN SP
Existing 18" Sanitary Sewer Pipe	18" SAN SP
Existing 24" Sanitary Sewer Pipe	24" SAN SP
Existing 30" Sanitary Sewer Pipe	30" SAN SP
Existing Sanitary Force Main	FM
Existing Storm Sewer Pipe	ST
Existing 4" Storm Sewer Pipe	4" STM SP
Existing 6" Storm Sewer Pipe	6" STM SP
Existing 8" Storm Sewer Pipe	8" STM SP
Existing 10" Storm Sewer Pipe	10" STM SP
Existing 12" Storm Sewer Pipe	12" STM SP
Existing 15" Storm Sewer Pipe	15" STM SP
Existing 18" Storm Sewer Pipe	18" STM SP
Existing 24" Storm Sewer Pipe	24" STM SP
Existing Water Pipe	W
Existing 4" Water Pipe	4" WTR
Existing 6" Water Pipe	6" WTR
Existing 8" Water Pipe	8" WTR
Existing 10" Water Pipe	10" WTR
Existing 12" Water Pipe	12" WTR
Existing 15" Water Pipe	15" WTR
Existing 18" Water Pipe	18" WTR
Existing 24" Water Pipe	24" WTR
Existing Water Lateral	
Existing Cable Tv Line	TV
Existing Electric Line	E
Existing Gas Line	G
Existing Over Head Power Line	OHP
Existing Telephone Line	T
Existing Fiber Optic Line	FO
Existing Underground Utility Line	
Existing Centerline	
Existing Curb	
Existing Lot Line	
Existing Gravel road	
Existing Flow Line	
Existing Paint Stripe	
Existing Right-of-way	
Existing Fence	
Existing Building	
Existing Wetland Perimeter	
Existing Wetland Buffer	
Existing Property Line	
Existing Utility Easement	
Existing Quarter Section	
Existing Railroad	
Existing Fence	
Existing Wall	
Existing Lot Line	
Existing Contour	253
Proposed Sanitary Sewer Pipe	
Proposed Sanitary Lateral	
Proposed Sanitary Force Main	
Proposed Storm Pipe	
Proposed Water Lateral	
Proposed Water Pipe	
Proposed Lot Line	
Proposed Centerline	
Proposed Right-of-way	
Proposed Sawcut Line	
Proposed Flow Line	
Proposed Easement	
Proposed Curb & Gutter	
Proposed End Of Pav't	
Proposed Sidewalk	
Proposed Property Line	
Proposed Fence	
Proposed Wetland Buffer	
Proposed Wetland Perimeter	
Proposed Contour	253

Symbol Legend

Existing Water Valve	WV
Existing Gas Valve	GV
Existing Fire Hydrant	
Existing Power Pole	
Existing Water Meter	WM
Existing Electrical Pedestal	
Existing Project Bench Mark	
Existing Iron Rod	
Existing Sanitary Manhole	
Existing Storm Manhole	
Existing Catch Basin	
Existing Area Drain	
Existing Combo Inlet	
Existing Telephone Pad	
Existing Cleanout	CO
Existing Flow Arrow	
Proposed Bollard	
Proposed Street Light	
Proposed Road Barrier	
Proposed Road Sign	
Proposed Flow Arrow	
Proposed Catch Basins	
Proposed Area Drain	
Proposed Combination Curb Inlet	
Proposed Storm Reducer	
Proposed Rain Drain	
Proposed Storm Cleanout	
Proposed Storm Manhole	
Proposed Water Valve	
Proposed Water Bend Tee W/valve	
Proposed Water Bend Tee W/tb	
Proposed Water 22½° Bend W/tb	
Proposed Water 11¼° Bend W/tb	
Proposed Water 45° Bend W/tb	
Proposed Water 90° Bend W/tb	
Proposed Water Stand Pipe	
Proposed Water Bend X	
Proposed Water Temporary Blowoff	
Proposed Water Standard Blowoff	
Proposed Water Reducer	
Proposed Water Thrust Block	
Proposed Fire Hydrant	

Abbreviation Legend

Acres	AC	Invert Elevation	IE
Assembly	ASS'Y	Intersection	INTX
Avenue	AVE	Length	L
Approved	APP'D	Lateral	LAT
Butterfly	BF	Left	LT
Boulevard	BLVD	Maximum	MAX
Benchmark	BM	Manhole	MH
Blow Off	BO	Minimum	MIN
Begin Curb Return	BR	Mechanical Joint	MJ
Begin Vertical Curve	BVC	Number	No. or #
Catch Basin	CB	Overhead Electric	OHE
Cubic Feet	CF	Pavement	PAV'T
Cast Iron	CI	Point Of Curve	PC
Cement	CEM	Power Pole	PP
Circle	CIR	Point Of Reverse Curve	PRC
Centerline	℄	Point Of Reverse Vertical Curve	PRVC
Corrugated Metal Pipe	CMP	Point Of Tangent	PT
Cleanout	CO	Point Of Vertical Intersection	PVI
Combination	COMB	Polyvinyl Chloride	PVC
Compaction	COMP	Place	PL
Concrete	CONC	Radius	R
Construction	CONST	Right Of Way	R/W
Corrugated Polyethylene	CPE	Right	RT
Concrete Sewer Pipe	CSP	Sheet	SHT
Court	CT	Stainless Steel	SS
Cubic Yard	CY	Steel	STL
Cement	CEM	Sidewalk	S/W
Ductile Iron	DI	Street	ST
Diameter	DIA	Station Centerline	STA
Edge Of Pavement	EOP	Standard	STD
End Curb Return	ER	Sanitary	SAN
Easement	ESMT	Storm	STM
Existing	EXTG	Tangent	T
Elevation	EL	Thrust Block	TB
Electric	ELEC	Temporary Benchmark	TBM
End Vertical Curb	EVC	Top Of Curb	TC
Finished Grade	FG	Telephone	TEL
Fire Hydrant	FH	Temporary	TEMP
Flange	FLG	Top Of Manhole	TOP
Force Main	FM	Typical	TYP
Foot / Feet	FT	Underground Electric	UGE
Gas	G	Vertical Curve	VC
Galvanized Iron	GI	Vertical	VERT
Ground	GRD	Water	WTR
Gate Valve	GV	With	W/
High Density Polyethylene	HDPE	Without	W/O
Horizontal	HORIZ	Water Meter	WM
Hydrant	HYD	Yard	YD

Hatching Legend

- Proposed Asphalt Concrete
- Proposed Cement Concrete
- Proposed Truncated Domes
- Proposed Gravel Road
- Proposed Gravel

AGENCY APPROVAL SET

FEDERAL CONTRACT No. TA-4214

FEDERAL AID No. HSR-STPD-1085(004)

DESIGNED	DPS
DRAWN	DPS
HDJ PROJ #	2555_3
HOR.	N/A
VERT.	N/A
DATE	Jan 21, 2014
DWG:	C002
SHEET	2 OF 57

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PORT OF RIDGEFIELD

Rail Overpass Project

GENERAL NOTES AND LEGEND

SCOTT M. GILLILAND STATE OF WASHINGTON 21681 REGISTERED PROFESSIONAL ENGINEER 1/21/14

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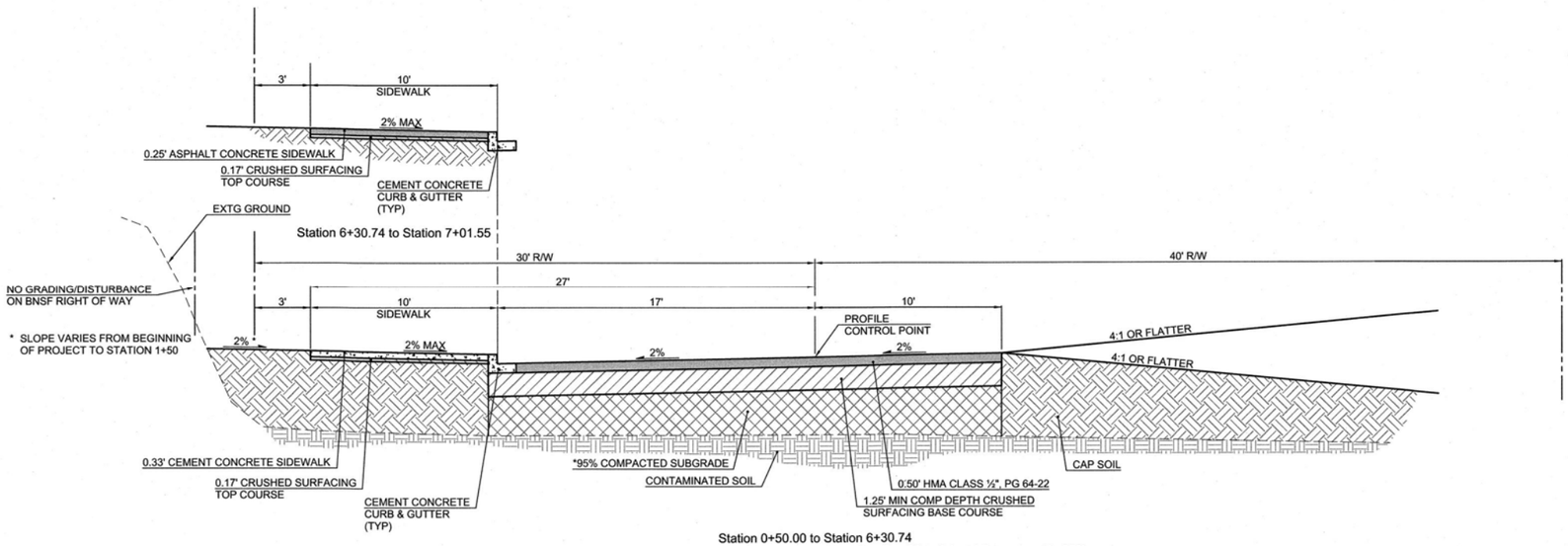
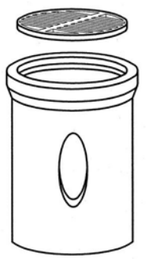
www.portridgefield.org

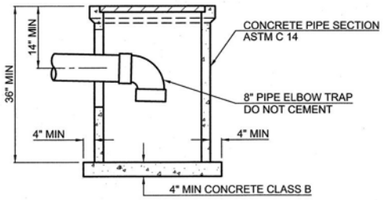


Station 0+50.00 to Station 6+30.74
*Station 0+50.00 to Station 7+21.45 - Over Excavate Existing Cap Material and Recompact to 95%.
See Sheet 10 For Contaminated Soil Grading.

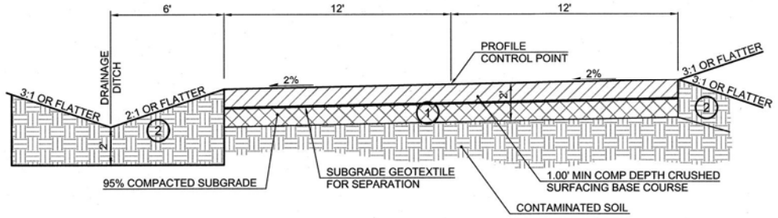
PIONEER STREET
NTS

NOMINAL DIMENSIONS	
INSIDE DIAMETER	24" T&G
DEPTH	38" or 46"
WALL THICKNESS	3"
BELL O.D.	30"
BELL I.D.	27 ½"
BELL DEPTH	2"
GRATE DIAMETER	27"
GRATE THICKNESS	2"



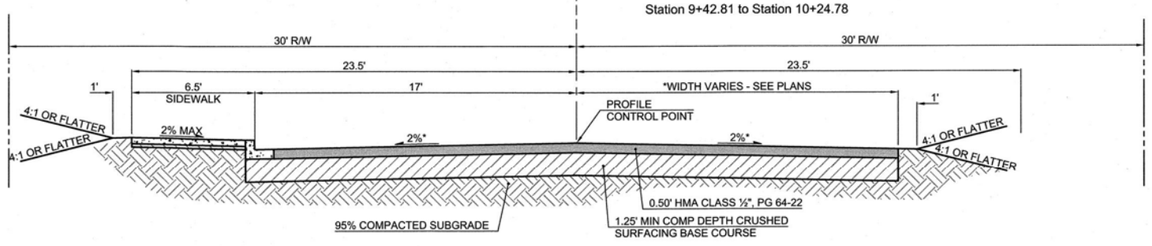


Area Drain Detail
NTS
24" Diameter, W/ Removable Trap



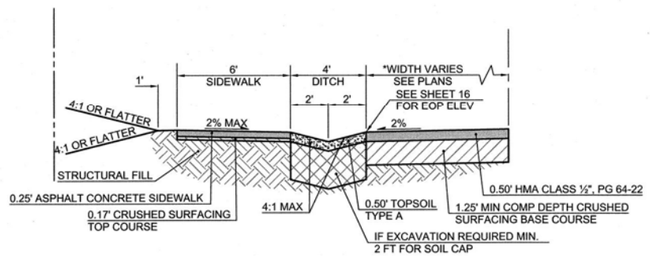
① Station 13+76.67 to Station 14+94.71 - Over Excavate Contaminated Soil, and Replace with Common Borrow Compacted to 95%. See Sheet 9 For Contaminated Soil Grading.
② Station 13+76.67 to Station 15+00.00 - Over Excavate Contaminated Soil, and Replace with Common Borrow. See Sheet 9 For Contaminated Soil Grading.

ACCESS ROAD
NTS



Station 8+30.93 to Station 9+42.81
*Station 8+30.96 to Station 8+75 - Cross Slope Varies to Match Existing Pavement

MILL STREET
NTS



DRAINAGE DITCH
NTS

AGENCY APPROVAL SET

FEDERAL CONTRACT No.	TA-4214
FEDERAL AID No.	HSR-STPD-1085(004)

DESIGNED DPS
DRAWN DPS
HDJ PROJ # 2555_3
HOR. N/A
VERT. N/A
DATE Dec 12, 2013
DWG: C004
SHEET 4 OF 57

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PORT OF RIDGEFIELD
Rail Overpass Project
TYPICAL SECTIONS

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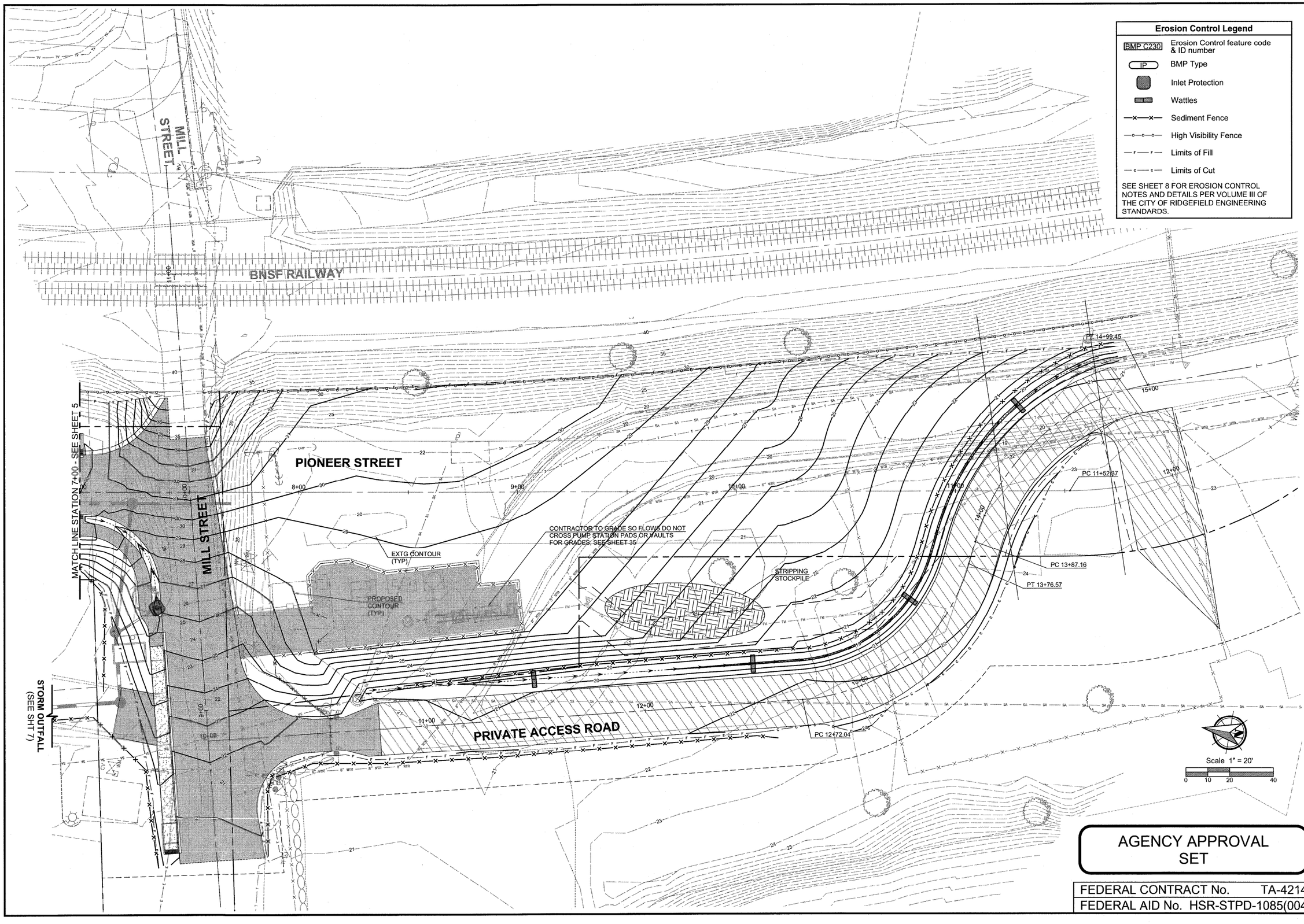

Erosion Control Legend

- BMP C230 — Erosion Control feature code & ID number
- IP — BMP Type
- Inlet Protection
- Wattles
- Sediment Fence
- High Visibility Fence
- Limits of Fill
- Limits of Cut

SEE SHEET 8 FOR EROSION CONTROL NOTES AND DETAILS PER VOLUME III OF THE CITY OF RIDGEFIELD ENGINEERING STANDARDS.

AGENCY APPROVAL SET

FEDERAL CONTRACT No. TA-4214
FEDERAL AID No. HSR-STPD-1085(004)

DESIGNED	DPS
DRAWN	DPS
HDJ PROJ #	2555_3
HOR.	1"=20'
VERT.	1"=5'
DATE	Nov 18, 2013
DWG:	C102
SHEET	6 OF 57

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PORT OF RIDGEFIELD

Rail Overpass Project

EROSION CONTROL & GRADING PLAN
Station 7+00 to Station 12+00

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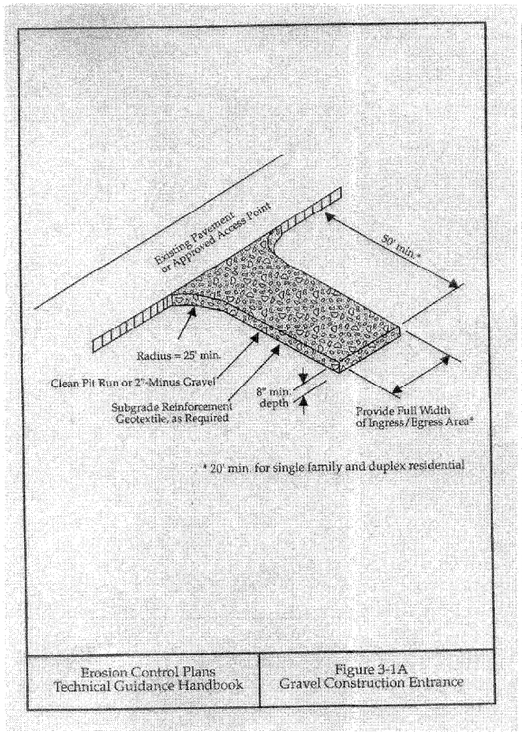
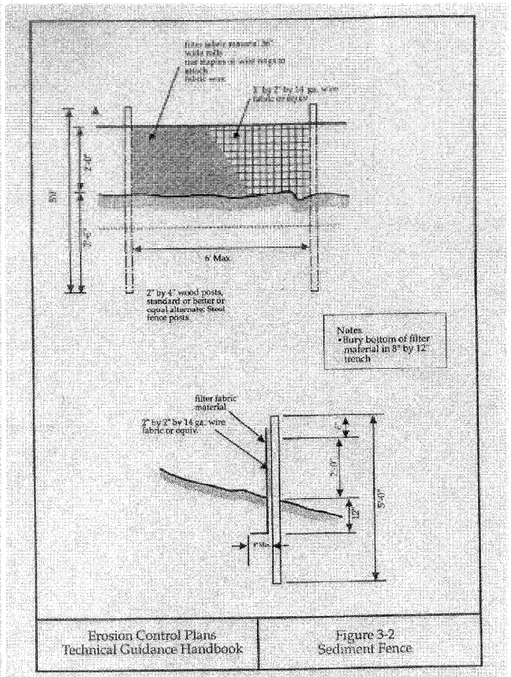
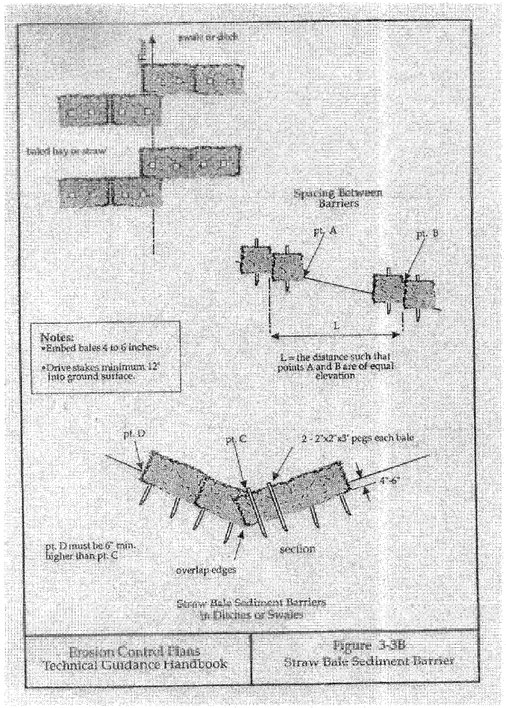


Erosion Control Plans Technical Guidance Handbook | Figure 3-1A Gravel Construction Entrance



Erosion Control Plans Technical Guidance Handbook | Figure 3-2 Sediment Fence



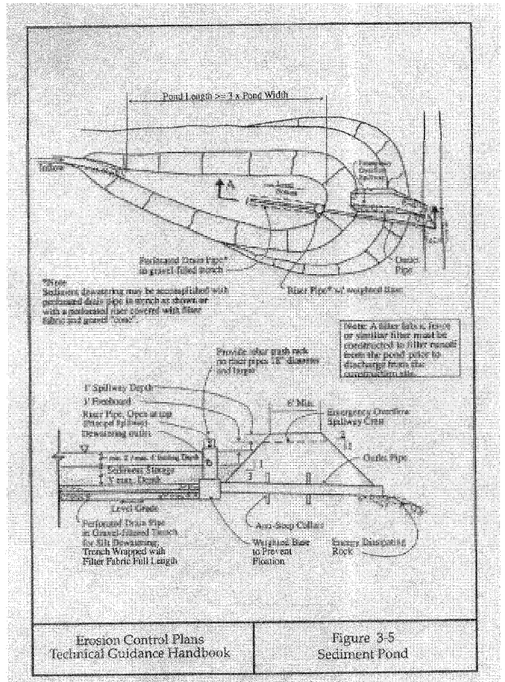
Erosion Control Plans Technical Guidance Handbook | Figure 3-3B Straw Bale Sediment Barrier

Standard Notes for Erosion Control Plans:

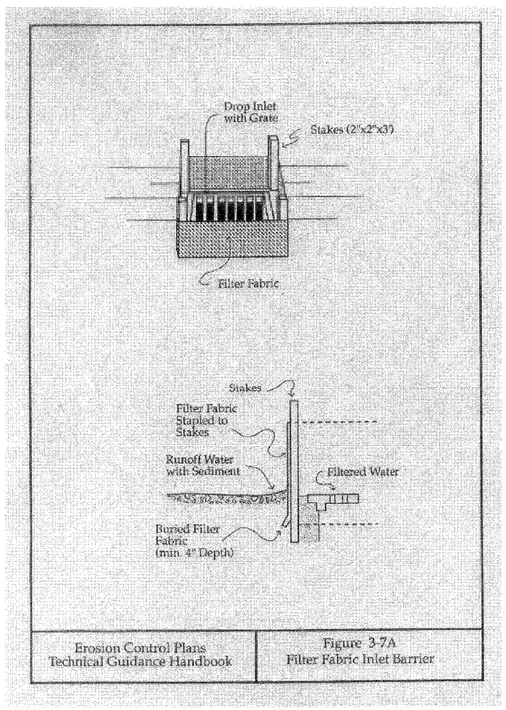
1) Approval of this erosion/sedimentation control (ESC) plan does not constitute an approval of permanent road or drainage design (e.g. size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.)
2) The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the applicant/contractor until all construction is completed and approved and vegetation/landscaping is established.
3) The boundaries of the clearing limits shown on this plan shall be clearly flagged in the field prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the applicant/contractor for the duration of construction.
4) The ESC facilities shown on this plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to insure that sediment and sediment laden water do not enter the drainage system, roadways, or violate applicable water standards.
5) The ESC facilities shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these ESC facilities shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment-laden water do not leave the site.
6) The ESC facilities shall be inspected daily by the applicant/contractor and maintained as necessary to ensure their continued functioning.
7) The ESC facilities on inactive site shall be inspected and maintained a minimum of once a month or within the 48 hours following a storm event.
8) At no time shall more than one foot of sediment be allowed to accumulate within a trapped catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not slush sediment laden water into the downstream system.
9) Stabilized construction entrance shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to insure that ll paved areas are kept clean for the duration of the project.

Standard Notes for Sediment Fences:

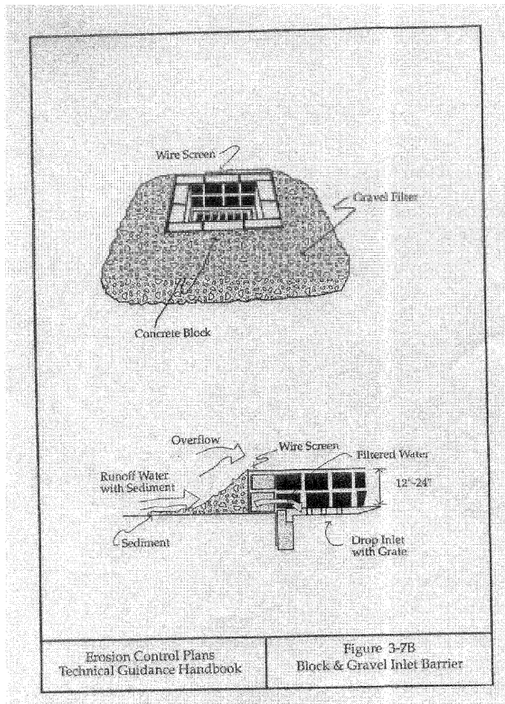
1) The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum 6-inch overlap, and both ends securely fastened to the post.
2) The filter fabric fence shall be installed to follow the contours where feasible. The fence posts shall be spaced a maximum of 8 feet apart and driven securely into the ground a minimum of 24 inches.
3) When standard strength filter fabric is used, a wire support fence shall be fastened securely to the upslope side of the posts using heavy-duty wire staples at least 1 inch long, tie wire or hog rings. The wire shall extend into the trench a minimum of 4 inches and shall not extend more than 36 inches above the original ground surface.
4) The standard strength filter fabric shall be stapled or wired to the fence, and 12 inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
5) When extra-strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of the above standard note for standard strength filter fabric applying.
6) Sediment fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.
7) Sediment fences shall be inspected by applicant/contractor immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately



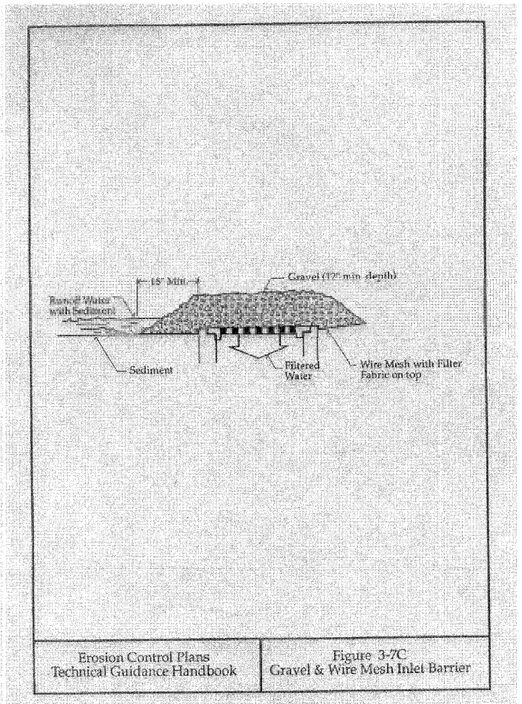
Erosion Control Plans Technical Guidance Handbook | Figure 3-5 Sediment Pond



Erosion Control Plans Technical Guidance Handbook | Figure 3-7A Filter Fabric Inlet Barrier



Erosion Control Plans Technical Guidance Handbook | Figure 3-7B Block & Gravel Inlet Barrier



Erosion Control Plans Technical Guidance Handbook | Figure 3-7C Gravel & Wire Mesh Inlet Barrier

AGENCY APPROVAL SET

FEDERAL CONTRACT No.	TA-4214
FEDERAL AID No.	HSR-STPD-1085(004)

DESIGNED	DPS
DRAWN	DPS
HDJ PROJ #	2555_3
HOR.	1"=20'
VERT.	1"=5'
DATE	Oct 21, 2013
DWG:	C104
SHEET	8 OF 57

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PORT OF RIDGEFIELD Rail Overpass Project

EROSION CONTROL NOTES AND DETAILS

GILLILAND STATE OF WASHINGTON SCOTT ENGINEERING PROFESSIONAL 10/12/13

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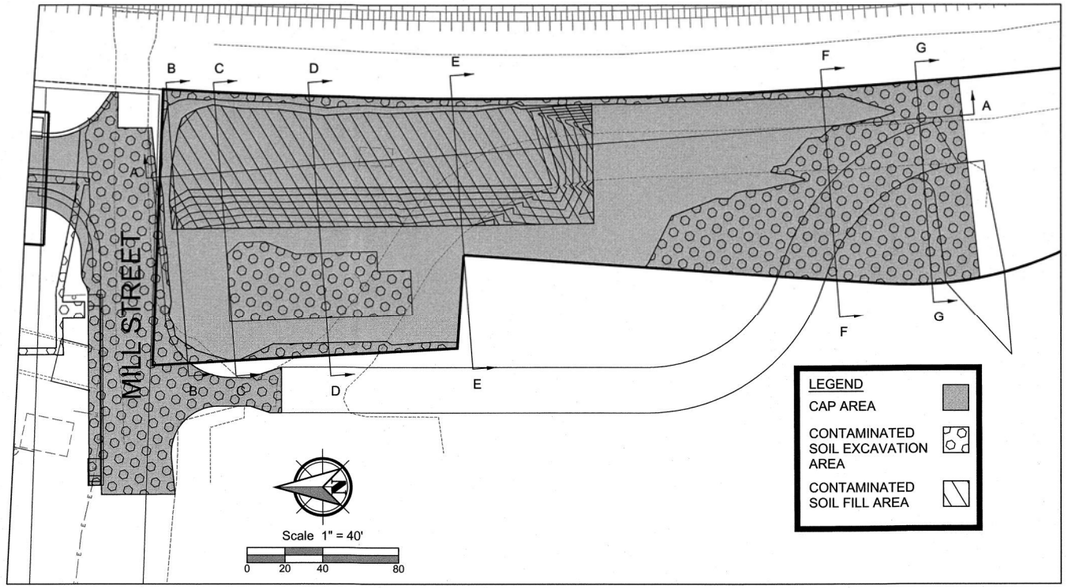

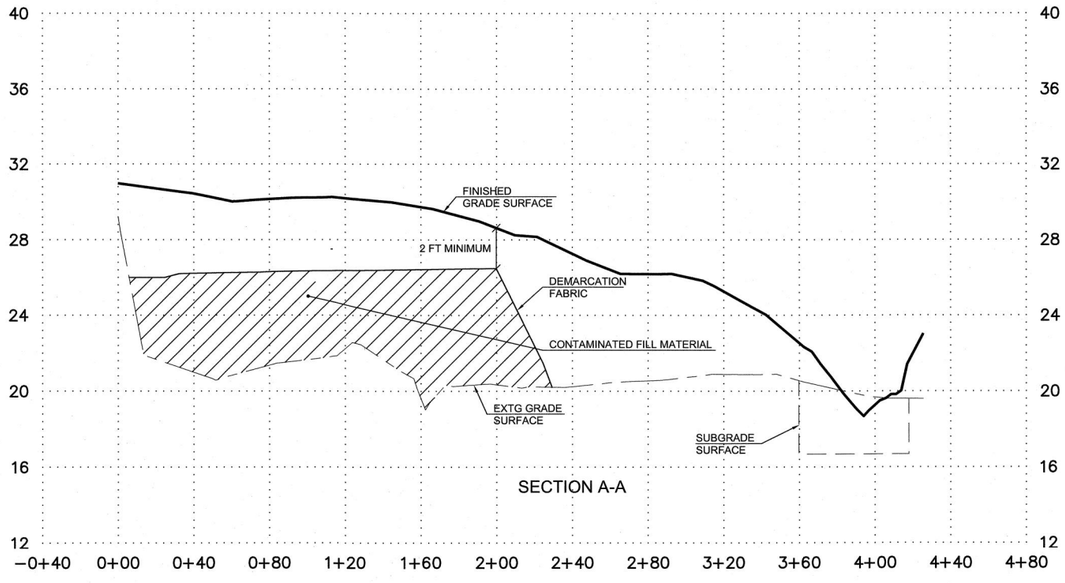

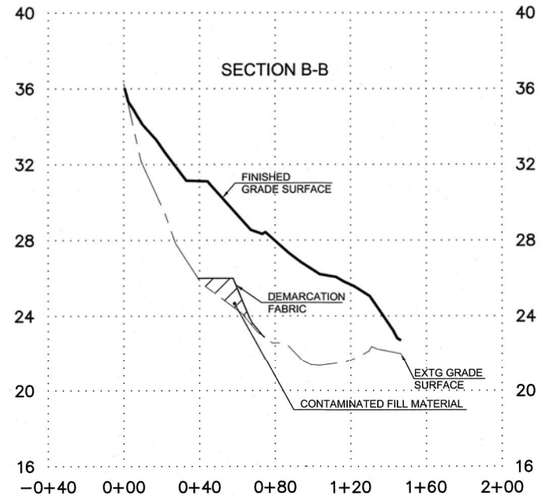

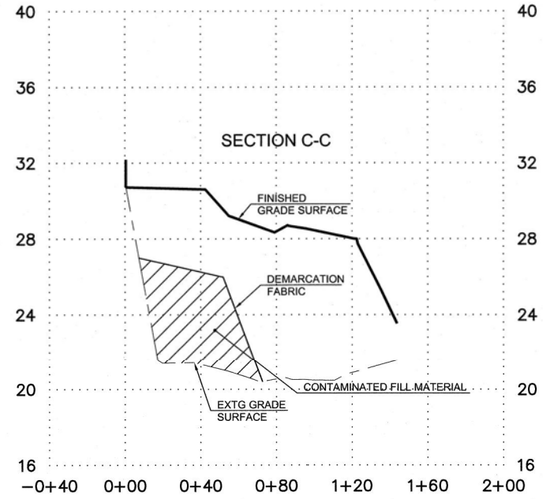

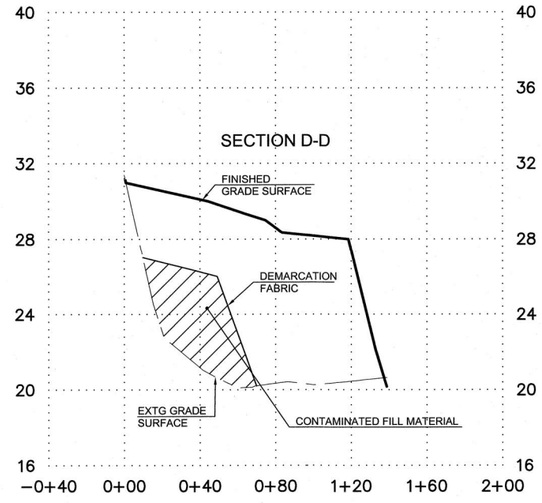

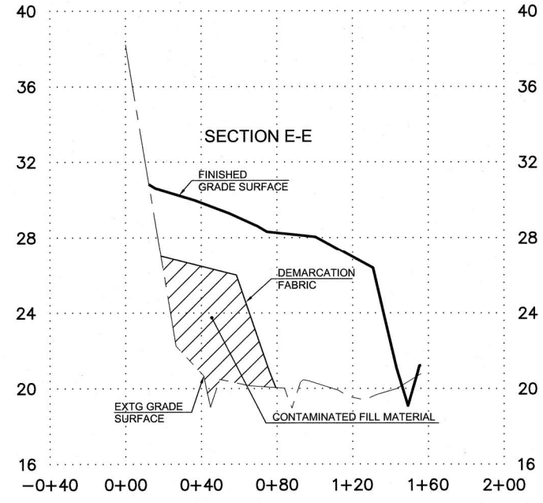

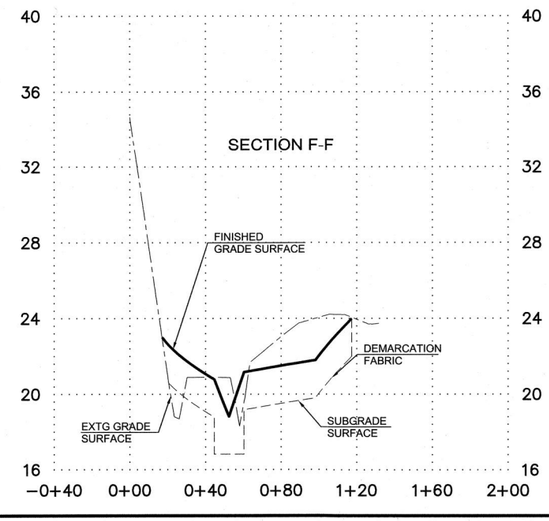

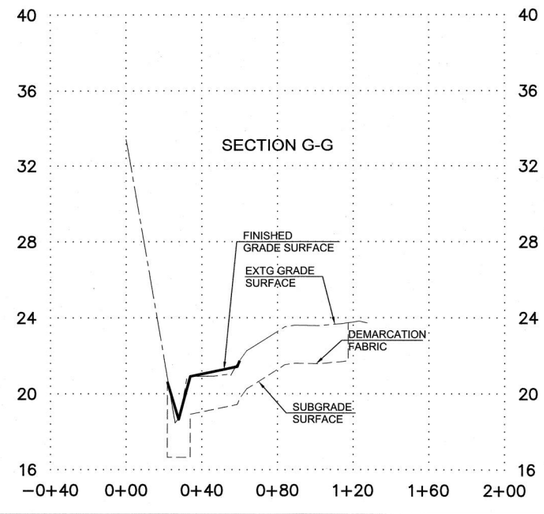

DESCRIPTION	AREA (SF)
CAP AREA	58,026
CONTAMINATED FILL AREA	13,692
CONTAMINATED SOIL EXCAVATION AREA	26,782

DESCRIPTION	VOLUME (CY)
CLEAN FILL	9,263
CONTAMINATED SOIL CUT	1,850
CONTAMINATED SOIL FILL	1,850

AGENCY APPROVAL SET

FEDERAL CONTRACT No.	TA-4214
FEDERAL AID No.	HSR-STPD-1085(004)

NOTE: CONTAMINATED SOIL EXCAVATION FOR THE SANITARY PUMP STATION SHALL BE PLACED IN LOCATION MARKED FOR CONTAMINATED FILL.
DEMARCATION FABRIC SHALL BE PLACED OVER COMPLETE SURFACE SOUTH OF MILL PRIOR TO FILLING WITH CLEAN SOIL.

DESIGNED	DPS
DRAWN	DPS
HDJ PROJ #	2555_3
HOR.	1"=40'
VERT.	1"=4'
DATE	Dec 12, 2013
DWG:	C105
SHEET	9 OF 57

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PORT OF RIDGEFIELD
Rail Overpass Project
ENVIRONMENTAL CAP PLAN SOUTH OF MILL STREET

SCOTT A. GILLILAND WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER 01/03/14

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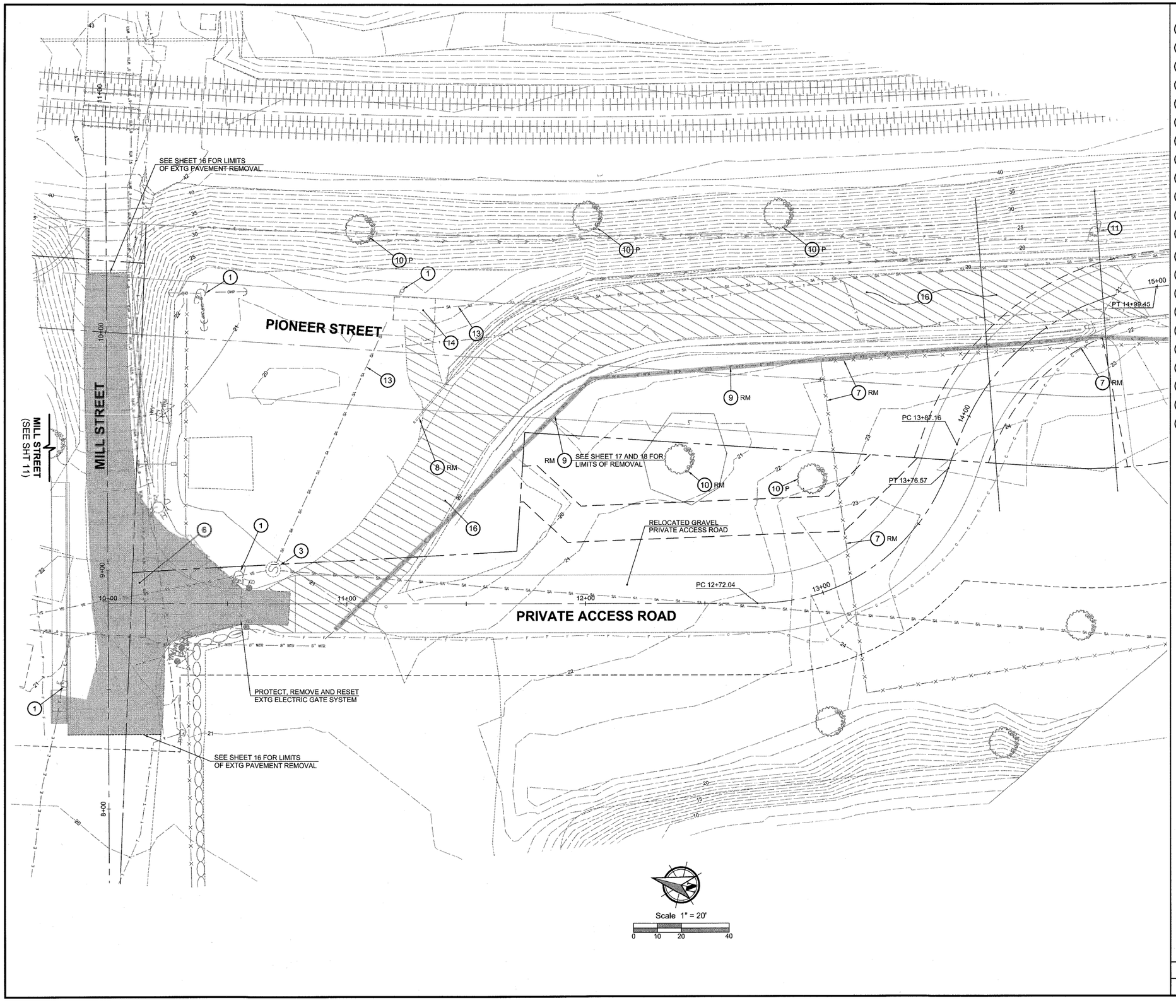

SITE PREPARATION NOTES:

1. REMOVE/RELOCATE BY OTHERS.
2. ADJUST VALVE RIM AND COVER TO FINISH GRADE.
3. ADJUST EXISTING CATCH BASIN/MANHOLE RIM TO FINISH GRADE.
4. REMOVE (RM) OR PROTECT (P) EXISTING CURB.
5. REMOVE (RM) OR PROTECT (P) EXISTING SIDEWALK.
6. REMOVE EXISTING PAVEMENT.
7. REMOVE (RM), RELOCATE (R) OR PROTECT (P) EXISTING FENCE.
8. REMOVE (RM) OR PROTECT (P) EXISTING CULVERT/DRAINAGE STRUCTURE.
9. RELOCATE (R), ADJUST (A) OR REMOVE (RM) EXISTING WATER SERVICE AS REQUIRED & DIRECTED.
10. REMOVE (RM), PROTECT (P) OR TRIM (T) EXISTING TREE AS INDICATED ON PLAN.
11. PROTECT EXISTING UTILITY POLE.
12. RESET (R) OR MOVE (M) EXTG FIRE HYDRANT AS SHOWN. PROVIDE FITTINGS AND/OR THRUST BLOCKS PER STANDARD DETAILS. PROVIDE MIN 3' CLEARANCE AROUND FIRE HYDRANT.
13. ABANDON EXISTING SANITARY SEWER. REFER TO PUMP STATION DRAWINGS, SHEET PS-01.
14. REMOVE EXISTING PUMP STATION.
15. REMOVE EXISTING RAILROAD SPUR.
16. REMOVE EXISTING GRAVEL ACCESS ROAD.
17. REMOVE EXISTING RAILROAD CROSSING SIGNAL. (BY OTHERS)
18. REMOVE EXISTING SIGN.
19. SAWCUT EXISTING PAVEMENT OR CONCRETE.
20. PROTECT EXISTING VALVE, METER OR VAULT.
21. PROTECT EXISTING WATER LINE.
22. REMOVE EXISTING CONCRETE.

AGENCY APPROVAL SET

FEDERAL CONTRACT No. TA-4214

FEDERAL AID No. HSR-STPD-1085(004)

DESIGNED	DPS
DRAWN	DPS
HDJ PROJ #	2555. 3
HOR.	1"=20'
VERT.	1"=5'
DATE	Nov 18, 2013
DWG.	C203
SHEET	13 OF 57

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PROJECT OF REGIONAL SIGNIFICANCE

Rail Overpass Project

SITE PREPARATION PLAN
Private Access Road

SCOTT G. LILLELAND — STATE OF WASHINGTON — 22777 — REGISTERED PROFESSIONAL ENGINEER

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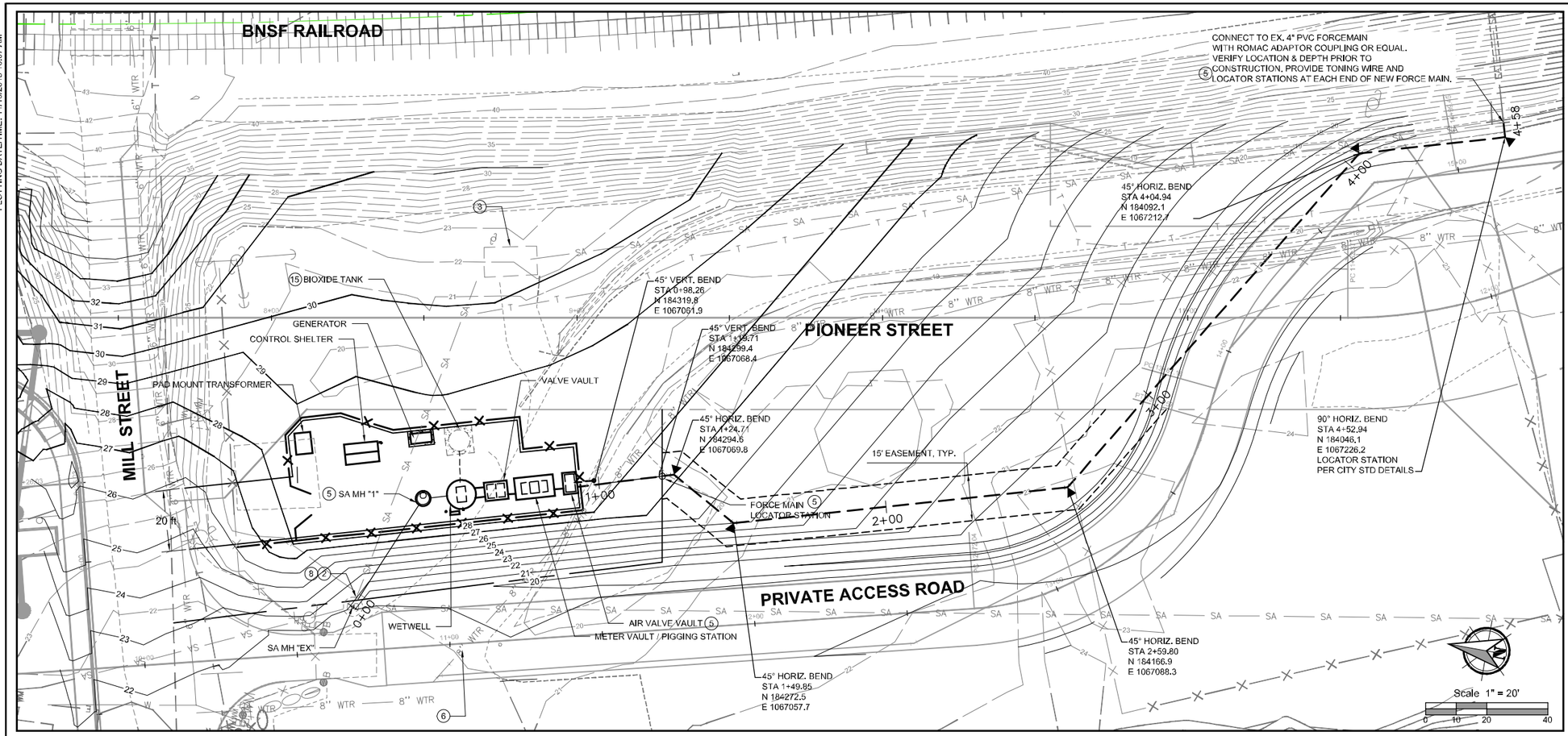

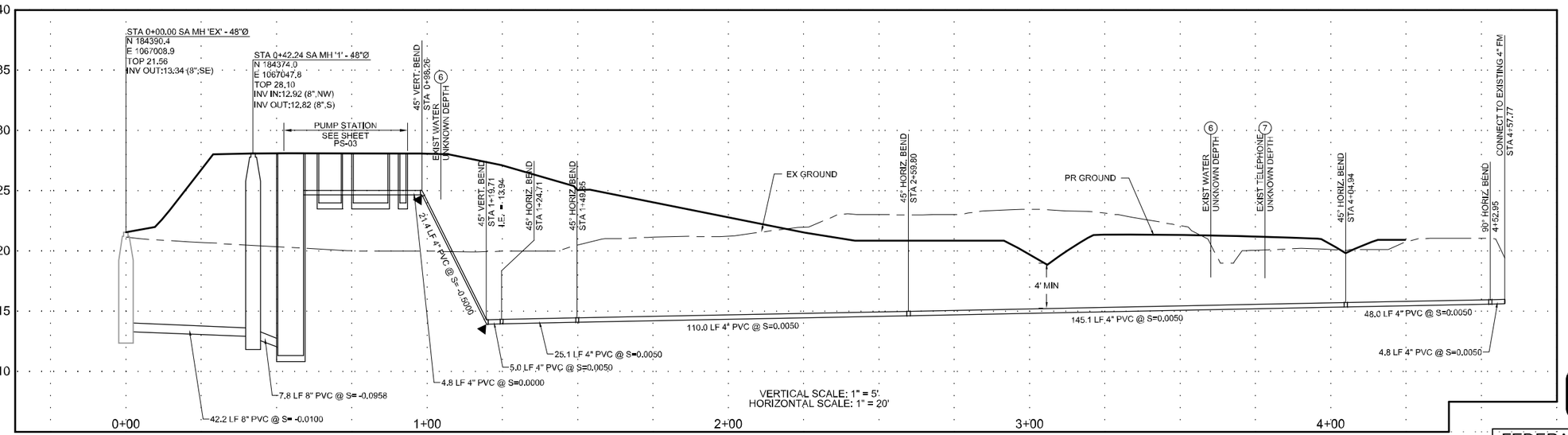

CONSTRUCTION NOTES

1. SEE SHEET PS-02 FOR PUMP STATION SITE LAYOUT.
2. REMOVE EX. EFFLUENT PIPE AND CORE DRILL OPENING FOR NEW 8" PIPE. CONNECT WITH KOR N SEAL BOOT.
3. SALVAGE EX. PUMPS AND MOTORS AND DELIVER TO CITY FROM EXISTING PUMP STATION. REMOVE AND DISPOSE ALL OTHER ABOVE AND BELOW GRADE PUMP STATION EQUIPMENT AND MATERIALS. PLUG PIPE ENDS BETWEEN WETWELL AND UPSTREAM MH W/ CONCRETE.
4. PROVIDE SEWER BYPASS PUMPING OR VACTOR TRUCK DISPOSAL AS NECESSARY TO ACCOMMODATE NEW CONNECTIONS. ACCOMMODATE DAILY FLOWS OF 12,500 GALLONS AND PEAK FLOW OF 60 GPM.
5. SEE ATTACHMENT A OF APPENDIX G.
6. EXISTING 8" WATER TO BE RELOCATED IN ADVANCE OF PUMP STATION WORK.
7. POTHOLE EXISTING UTILITY IN ADVANCE OF FORCE MAIN CONSTRUCTION STAKING. CONFIRM CLEARANCE AT CROSSING.
8. PROVIDE CONFIRMATION OF PIPE INVERT ELEVATIONS PRIOR TO SUBMITTALS FOR DOWNSTREAM MANHOLE AND PUMP STATION WET WELL.
9. FORCE MAIN SHALL BE PVC PER SECTION 9-30.1(5)A OF WSDOT STANDARD SPECIFICATIONS.
10. FORCE MAIN FITTINGS SHALL BE DUCTILE IRON MJ WITH RESTRAINED JOINTS.
11. GRAVITY PIPE AND MANHOLE CONSTRUCTION SHALL BE PER WSDOT STANDARD SPECIFICATIONS, EXCEPTING DEWATERING REQUIREMENTS, WHICH SHALL BE PER APPENDIX G SPECIAL PROVISIONS FOR PUMP STATION (CSI FORMAT).
12. PVC GRAVITY SEWER PIPE SHALL BESDR 35, ASTM D3034.
13. CONNECT AND ROUTE ALL HATCH DRAINS TO VAULT FLOOR DRAIN OR GRAVITY DRAIN ELEVATION OF WET WELL.
14. TRENCH RESTORATION & BACKFILL OUTSIDE OF ROADWAY SHALL BE PER SHOULDER REQUIREMENTS INDICATED IN TRENCH DETAIL OF ATTACHMENT A TO APPENDEX G OF THE SPECIAL PROVISIONS.
15. BIOXIDE TANK TO BE INSTALLED IN FUTURE. INSTALL FEED LINE WET WELL PENETRATIONS & BELOW GRADE FEED LINE. MARK THE END OF CONDUIT WITH A 2X4 - 6' FOOT IN LENGTH EXTENDED 2' ABOVE GRADE AND THE TOP 12" PAINTED RED.
16. REFER TO SHEET C105 FOR PLACEMENT OF CONTAMINATED SOIL.

AGENCY APPROVAL SET

FEDERAL CONTRACT No. TA-4214
FEDERAL AID No. HSR-STPD-1085(004)

DESIGNED	PT
DRAWN	KT
PROJ #	
HOR.	AS NOTED
VERT.	AS NOTED
DATE	11/19/13
DWG.	PS-01
SHEET	33 OF 57

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PORT OF RIDGEFIELD

Rail Overpass Project

PUMP STATION PLAN AND PROFILE

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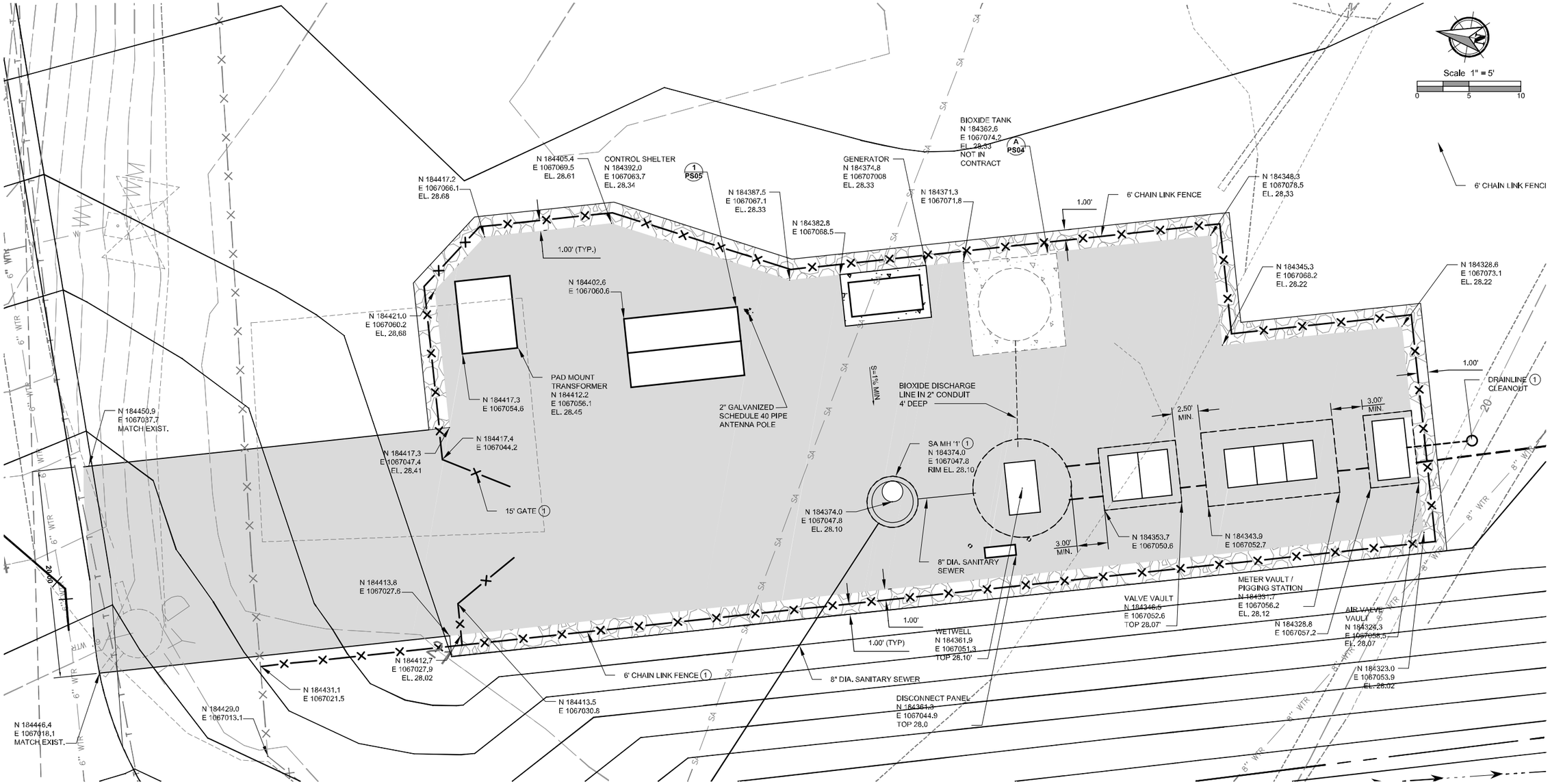
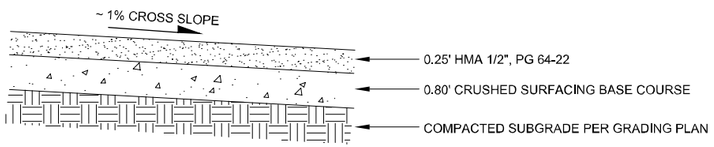


SHEET LEGEND

- ASPHALT PAVEMENT, SEE DETAIL 1
- GRAVEL

CONSTRUCTION NOTES

1. SEE DETAILS IN ATTACHMENT A OF APPENDIX G TO THE SPECIAL PROVISIONS.
2. SLOPE ASPHALT TO DRAIN AROUND VAULT HATCHES.



1 - ASPHALT PAVEMENT DETAIL
NTS

AGENCY APPROVAL SET

FEDERAL CONTRACT No. TA-4214
FEDERAL AID No. HSR-STPD-1085(004)

DESIGNED	PT
DRAWN	KT
PROJ #	
HOR.	AS NOTED
VERT.	AS NOTED
DATE	11/19/13
DWG.	PS-02
SHEET	34 OF 57

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Rail Overpass Project
PORT OF RIDGEFIELD

PUMP STATION SITE LAYOUT HORIZONTAL CONTROL & DETAIL

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APPENDIX A

SAMPLING AND ANALYSIS PLAN

DRAFT SAMPLING AND ANALYSIS PLAN

FORMER PACIFIC WOOD TREATING CO. SITE

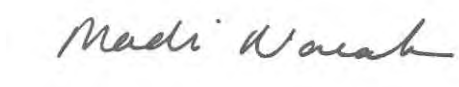
Prepared for
PORT OF RIDGEFIELD
May 9, 2014
Project No. 9003.01.49

Prepared by
Maul Foster & Alongi, Inc.
400 E Mill Plain Blvd, Suite 400
Vancouver, WA 98660

MAUL
FOSTER
ALONGI

The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.



Madi Novak
Senior Scientist

Erik Naylor
Staff Environmental Scientist

CONTENTS

ACRONYMS AND ABBREVIATIONS

CLARC	Cleanup Levels and Risk Calculation
COC	chain of custody
CUL	cleanup level
dioxins and furans	dibenzo-p-dioxins and dibenzofurans
DRO	diesel-range organic
Ecology	Washington State Department of Ecology
GRO	gasoline-range organic
HCID	hydrocarbon identification
IDW	investigation-derived waste
IHS	indicator hazardous substances
LCS	laboratory control sample
LDS	laboratory duplicate sample
MFA	Maul Foster & Alongi, Inc.
MS/MSD	matrix spike and matrix spike duplicate
MTCA	Model Toxics Control Act
NWTPH	Northwest Total Petroleum Hydrocarbons
PCB	polychlorinated biphenyl
Port	Port of Ridgefield
QA/QC	quality assurance
QC	quality control
RRO	residual-range organic
SAP	Sampling and Analysis Plan
SMCMP	Soil Management and Cap Maintenance Plan
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1 INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this Sampling and Analysis Plan (SAP) on behalf of the Port of Ridgefield (Port) to describe the methods and procedures for collecting and analyzing soil that is proposed for use as clean capping material, as well as soil that is intended for off-site disposal. The guidance presented in this SAP is applicable for soil sampling and analysis activities that are required for the Railroad Overpass Property as defined in the Soil Management and Cap Maintenance Plan (SMCMP).

1.1 Sampling and Analysis Objectives

The objective of this SAP is to establish procedures for collection of data sufficient for their intended use. This SAP describes methods that will be used to achieve the following objectives:

- To analyze soil for indicator hazardous substances (IHSs) to determine the appropriate off-site disposal method. Sample results will be compared to the relevant Model Toxics Control Act (MTCA) soil cleanup levels (CULs) found in the Washington State Department of Ecology's (Ecology) Cleanup Levels and Risk Calculation (CLARC) database at the time of sampling and analysis.
- To ensure that imported soil capping material is not contaminated at concentrations greater than the relevant MTCA soil CULs found in the CLARC database at the time of sampling and analysis.
- To provide suitable sampling techniques, sample analysis methods, and data verification procedures that ensure data quality.

Samples will be collected as described in Section 2 of this SAP. Following sample collection, samples will be submitted for analysis and screened against CULs, consistent with Section 3. The quality of the data should be evaluated, using the standard data validation protocols presented in Section 4, before off-site disposal or acceptance as clean fill.

2 SAMPLE PROGRAM DESIGN

Procedures to be followed for specific scenarios are provided in this section.

2.1 Sampling of Excavated Soils for Off-Site Disposal

Soil should be stockpiled in order to facilitate the sampling method and organization. Composite sampling will best characterize each stockpile in order to complete a waste profile for the landfill. To

address variability of the soil, choose the most representative stockpile volume and number of samples appropriate for the area in question. The disposal facility may be consulted to determine the minimum needed for waste-profiling purposes.

A representative soil sample will be collected by compositing five subsamples of the material source. The sampler will dig to a depth of 1 foot with a clean shovel and will collect the subsample by hand with clean, disposable gloves. Gloves will be changed and the shovel will be decontaminated between composited samples, consistent with the procedures specified in Section 2.3. Subsamples will be selected to obtain representative material, based on visual inspection and best professional judgment. To the extent possible, subsamples should consist of fine-particle-sized material, with larger rocks removed. Subsamples will be homogenized in a clean container (e.g., a decontaminated stainless-steel bowl or a dedicated container) before being transferred into laboratory-supplied, 16-ounce glass jars. Glass jars are to be preserved as specified in Section 2.5 and samples are to be analyzed as described in Section 3.1.

2.2 Sampling of Imported Soil Cap Material

Soil imported to the site to be used as clean cap material should be tested prior to acceptance. Soil will be sampled and analyzed before delivery to the site to certify that it meets the design acceptance criteria. The contractor or contractor's designee will complete soil sampling of soil at the minimum frequency specified by the contract documents. The number of samples required will be based on the likelihood of contamination present, estimated amount of fill needed, and homogeneity of the fill source. For each volume of soil represented by a composite sample, the material should be tracked in a manner that allows rejection of the material if necessary, based on representative analytical results.

A representative soil sample will be collected by compositing, at a minimum, five subsamples of the material at the source. The sampler will dig to a depth of 1 foot with a clean shovel and will collect the subsample by hand with clean, disposable gloves. Gloves will be changed and the shovel will be decontaminated between composited samples, consistent with the procedures specified in Section 2.3. Subsamples will be selected to obtain a representative sample, based on visual inspection and best professional judgment. To the extent possible, subsamples should consist primarily of fine-particle-sized material, with larger rocks removed. Subsamples will be homogenized in a clean container (e.g., a decontaminated stainless-steel bowl or a dedicated container) before being transferred into laboratory-supplied, 16-ounce glass jars.

2.3 Decontamination

Sampling equipment will be decontaminated at a location away from surface water, but near the sampling location (i.e., equipment will not be removed from the site to be decontaminated). Sampling equipment will be decontaminated using the following procedure:

- Rinse with clean tap or deionized water.
- Wash with nonphosphate detergent.

- Rinse with deionized water.
- Air dry.

All liquids used to decontaminate equipment will be considered investigation-derived waste (IDW) and will be disposed of as outlined in the following section.

2.4 Investigation-Derived Waste

IDW may include soil cuttings and decontamination fluids. The IDW will be segregated (e.g., soil and water will be containerized separately). Drums (tops and sides) will be labeled with their contents, the volume of material, the date of collection, and the origin of the material. At the end of each workday, the drums will be sealed and transferred to a designated secured area on the property, where they will be stored pending waste profiling, transport, and off-site disposal at a permitted facility.

2.5 Sample Handling, Preservation, and Custody

The samples will be placed on ice in a shipping container with chain-of-custody (COC) paperwork and transported to an accredited laboratory for analysis. Samples should be preserved according to the requirements in Table 1, attached.

3 ANALYTICAL PROCEDURES AND QUALITY ASSURANCE CRITERIA

Samples that have been collected following the procedures in Section 2 will be analyzed following the methods presented in this section. Analytical results will be evaluated relative to CULs. Additional details on the analytical methods, quality control (QC) procedures required by the laboratory, and screening levels are provided below.

3.1 Analytical Methods for Excavated Soils

It is the responsibility of the party generating the impacted soil to verify current disposal requirements with the disposal facility.

Soil excavated from the Railroad Overpass Property during construction activities will be analyzed for dioxin and furan congeners with tetra-, penta-, and hexa- prefixes, by U.S. Environmental Protection Agency (USEPA) Method 1613b.

3.1.1 Screening Levels for Excavated Soils

A comparison of IHS concentrations with soil CULs will determine the characterization and handling requirements. CULs for dioxins and furans are provided in Table 2.

3.2 Analytical Methods for Imported Clean Soil Cap Material

Soil intended for use as clean cap material at the Railroad Overpass Property requires the following analyses, at a minimum (note that additional analyses may be requested by the Port or Ecology, upon obtaining information about the location and/or prior use of the intended fill source):

- Petroleum hydrocarbons by Northwest Total Petroleum Hydrocarbons (NWTPH) hydrocarbon identification (HCID) method
- Thirteen priority pollutant metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc) by USEPA Method 6010/6020/7471

If hydrocarbons are detected in the HCID analysis, followup quantification testing will be required as described below:

- Gasoline-range organic (GRO) detections in HCID require followup analyses of:
  - GROs by NWTPH-Gx
  - Volatile organic compounds (VOCs) benzene, ethylbenzene, toluene, xylene, 1,2-dibromoethane, 1-2-dichloroethane, and methyl tertiary-butyl ether by USEPA Method 8260B
- Diesel-range organic (DRO) detections in HCID require followup analyses of:
  - DROs by NWTPH-Dx
  - Polycyclic aromatic hydrocarbons by USEPA Method 8270 selective ion monitoring
  - Polychlorinated biphenyls (PCBs) by USEPA Method 8082
- Residual-range organic (RRO) detections in HCID require followup analyses of:
  - RROs by NWTPH-Dx
  - VOCs, including 1,2-dibromoethane, 1,2-dichloroethane, methyl tertiary-butyl ether, and halogenated VOCs, by USEPA Method 8260B
  - PCBs by USEPA Method 8082

3.2.1 Screening Levels for Imported Materials

Sample results for the analytes listed above must be below the lowest MTCA soil CULs found in the CLARC database at the time of sampling and analysis. The laboratory should be notified of the required reporting limits for proper sample screening.

3.3 Laboratory Quality Control Procedures

The laboratory will follow the QC procedures required by each analytical method. The laboratory QC will be used to assess the accuracy and precision of the laboratory analysis. The QC procedures that may be required by the method are described below. The acceptance criteria established by the analytical laboratory and the guidelines referenced in Section 4.2 of this SAP will be used to assess the suitability of laboratory QC.

3.3.1 Calibration Verification

Instruments will initially be calibrated at the start of the project or sample run, as required, and when any ongoing calibration does not meet control criteria. The number of points used in the initial calibration is defined in the analytical method. Calibration will be continued as specified in the analytical method to track instrument performance. If a continuing calibration does not meet control limits, analysis of project samples will be suspended until the source of the control failure is either eliminated or reduced to within control specifications. Any project samples analyzed while the instrument was outside control limits will be reanalyzed.

3.3.2 Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate (MS/MSD) samples are analyzed to assess the matrix effects on the accuracy of analytical measurements. MS/MSD samples will be prepared by spiking investigative samples with known amounts of analytes before extraction, preparation, and analysis. The MS/MSD samples will be used to assess accuracy and precision of the analytical method by measuring the target compounds' recovery in the investigative matrices.

3.3.3 Method Blanks

Method blanks are prepared using analyte-free (reagent) water and are processed with the same methodology (e.g., extraction, digestion) as the associated investigative samples. Method blanks are used to document contamination from laboratory analytical processes. A method blank shall be prepared and analyzed in every analytical batch.

The results from the method blank analyses are used to verify that reagents and preparation do not impart unacceptable bias to the investigative sample results. The presence of analytes in the method blank sample will be evaluated against method-specific thresholds. If analytes are present in the method blank above the method-specific threshold, corrective action will be taken to eliminate the source of contamination before analysis proceeds. Investigative samples of an analytical batch associated with method blank results outside acceptance limits will be qualified, as appropriate.

3.3.4 Laboratory Control Samples

Laboratory control samples (LCSs) are prepared by spiking laboratory-certified, reagent-grade water with the analytes of interest or with a certified reference material that has been prepared and

analyzed. The result for percent recovery of the LCS is a data quality indicator of the accuracy of the analytical method and laboratory performance.

3.3.5 Laboratory Duplicate Samples

Laboratory duplicate samples (LDSs) are prepared by the laboratory by splitting an investigative sample into two separate aliquots and separately preparing and analyzing each aliquot. The results for relative percent difference of the primary investigative sample and the respective LDSs are used to measure precision in the analytical method and laboratory performance. For nonaqueous matrices, sample heterogeneity may affect the measured precision for the LDSs.

3.3.6 Surrogate/Labeled Analogue Compounds

Surrogates and labeled analogue compounds are used to evaluate the recovery of an analyte from individual samples. Surrogate recoveries will be reported by the laboratory and will be used to assess data quality.

3.4 Analytical Data Reporting

The analytical laboratory will provide analytical data packages that include laboratory quality assurance (QA) and QC results to permit independent and conclusive determination of data quality. Data quality will be determined by the reviewer, using the data evaluation procedures described in Section 4. The results of the evaluation will be used to determine whether project data quality objectives are being met.

Required laboratory data deliverables, including electronic deliverables, are listed below.

- Transmittal cover letter
- Case narrative
- Analytical results
- COC
- QA/QC results
- Qualifier definitions

4 DATA VALIDATION AND USABILITY

Data verification is confirmation by examination and provision of objective evidence that specified requirements have been fulfilled (USEPA, 2001). Data verification includes evaluating the completeness, correctness, and compliance of a specific data set against the method, procedural, or contractual specifications (USEPA, 2002). Data validation is confirmation by examination and provision of objective evidence that the particular requirements for specific intended use have been fulfilled (USEPA, 2001). Data validation is an analyte- and sample-specific process that extends the

evaluation of data beyond method, procedural, or contractual compliance (i.e., data verification) to the analytical quality of a specific data set (USEPA, 2002). Data verification and validation will be consistent with the procedures outlined in Sections 4.1 and 4.2, respectively.

The specific data reduction, verification, reporting procedures, and assigned personnel will vary for each laboratory; however, all procedures will be completed in accordance with the laboratory's QA plan and standard operating procedures.

4.1 Data Verification

Data verification will consist of a completeness check that is performed before the data review process continues in order to determine whether the required information (the complete data package) is available for further review. It applies to both hard-copy and electronic deliverables. The following QC checks for data reviews will be performed for all generated data:

- Verify that batch QC was implemented properly and analyzed at the required frequency.
- Verify that holding times for extraction and analyses and for sample reservation were met.
- Verify that the quantitation limits and method detection limits were suitable for screening against the required CULs.
- Verify that all project and QC sample results were properly reported and flagged.
- Review COC documentation to verify completeness of the sample set for each data package submitted.
- Assess the impact of laboratory QC procedures and samples.

The laboratory analyst will be responsible for the reduction of raw data generated at the laboratory bench and to verify that the data reduction performed by the laboratory instrument is correct.

The following QC check for data verification will be performed for all generated data:

- Verify that calibrations and calibration checks comply with laboratory criteria.

This QC check will be performed by laboratory analysts, the assigned laboratory project manager or supervisor, laboratory QC specialists, or a combination of these personnel. After the data reports have been reviewed and verified, the laboratory reports will be signed and released for distribution.

4.2 Data Validation Methods

The validation of analytical data will be performed for 100 percent of the data report packages for each analysis type generated by each analytical laboratory. The data validation review will include review of the following items from the Tier II (S2AVE) laboratory data reports: consistency with the COC, holding times, surrogate recoveries, MS recoveries, field duplicate agreement, MSD and

laboratory duplicate precision, and method blank analyses. Refer to USEPA (2009) for S2AVE-level data validation and verification requirements.

Data validation reports will provide the appropriate data validation label (i.e., S2AVE or S4VEM). The data validator will review data and assign data qualifiers to sample results, following sections of the USEPA procedures for inorganic data (USEPA, 2010), organic data (USEPA, 2008b), and dioxins (USEPA, 2011); the dioxin rules memorandum (MFA, 2012) developed by MFA and approved by Ecology; and method-specific guidelines (e.g., USEPA, 2008a).

The purpose of this independent review will be to verify that the laboratory QC program is adequate and that the laboratory met the performance criteria. A full data validation will be performed on the first data package generated for the specific project and contractor laboratory. If problems are encountered, an independent Tier IV (S4VEM) data validation review of laboratory performance criteria may be performed.

Data qualifiers are used to classify sample data as to their conformance to QC requirements. The most common qualifiers are listed below:

- J—Estimate, qualitatively correct but quantitatively suspect.
- R—Reject, data not suitable for any purpose.
- U—Not detected at a specified detection limit.

Poor surrogate recovery, blank contamination, or calibration problems, among other things, can cause the sample data to be qualified. Whenever sample data are qualified, the reasons for the qualifications will be stated in the data validation report. QC criteria not defined in the guidelines for evaluating analytical data are adopted, where appropriate, from the analytical method.

LIMITATIONS

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

Opinions and recommendations contained in this plan apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this plan.

REFERENCES

MFA. 2012. Dioxin and furan analysis, data validation, and TEQ calculation rules. Maul Foster & Alongi, Inc. December.

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TABLES

Table 1
Sample-Handling Summary
Railroad Overpass Property SMCMP
Sampling and Analysis Plan

Analyte	Method	Suggested Volume	Container	Number of Containers	Preservative	Storage Temperature	Holding Time from Collection
Soil							
Polycyclic Aromatic Hydrocarbons[a]	USEPA 8270	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Semivolatile Organic Compounds[a]	USEPA 8270	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Volatile Organic Compounds[a]	USEPA 8260	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Dioxins and Furans	USEPA 1613b	4 ounces	Glass Jar	1	none	4 degrees C	30 days[b]
Total Petroleum Hydrocarbons—Diesel and Oil	NWTPH-Dx	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Total Petroleum Hydrocarbons—Gasoline	NWTPH-Gx	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Metals	USEPA 1311/6010	4 ounces	Glass Jar	1	none	4 degrees C	six months

NOTES:

C = Celsius.

NWTPH = Northwest Total Petroleum Hydrocarbons.

SMCMP = Soil Management and Cap Maintenance Plan.

USEPA = U.S. Environmental Protection Agency.

[a]Indicate on the chain of custody only those compounds described in Section 3 of the Sampling and Analysis Plan.

[b]One year if frozen.

Table 2
Indicator Hazardous Substances
Railroad Overpass Property SMCMP
Sampling and Analysis Plan

Indicator Hazardous Substances	Soil Cleanup Level (ng/kg)	Basis
Dioxin TEQ—Ecological	9.8	Chlorinated dibenzo-p-dioxins TEQ for ecological receptors[a]
Furan TEQ— Ecological	11.4	Chlorinated dibenzofurans TEQ for ecological receptors[a]

NOTES:

CUL = cleanup level.

ng/kg = nanograms per kilogram.

TEQ = toxicity equivalence.

[a]Site-specific terrestrial ecological CUL. Calculation methods for ecological dioxin and furan TEQs are provided in the site Remedial Investigation/Feasibility Study.

APPENDIX B

MEMORANDUM RE: UPLAND OFF-PROPERTY DIOXIN WASTE DESIGNATION

MEMORANDUM

To:	Craig Rankine	Date:	December 20, 2012
From:	Madi Novak	Project:	9003.01.39
	Steve Taylor, PE		
RE:	Upland Off-Property Dioxin Waste Designation Former Pacific Wood Treating Site, Ridgefield, Washington Agreed Order No. 01TCPSR-3119		

On behalf of the Port of Ridgefield, (Port), Maul Foster & Alongi, Inc. (MFA) has prepared this memorandum to determine the waste designation for soils containing dibenzo-p-dioxins and furans (collectively referred to as dioxins) off-property of the Lake River Industrial Site (LRIS) in Ridgefield, Washington. The LRIS is the location of the former Pacific Wood Treating Corporation (PWT) facility where historical operations primarily involved pressure-treating wood products with oil-based treatment solutions containing creosote, pentachlorophenol (PCP), and water-based mixtures of copper, chromium, arsenic, and/or zinc.

Soils that are located off property of the LRIS in the adjoining residential neighborhood and McCuddy's Marina parking area (i.e., off-property area) contain dioxins. However, the source of the dioxins is not readily apparent. Sources of dioxins at the PWT facility may have included spent formulations from wood preserving processes, combustion of waste by PWT and a previous shingle mill, combustion of fuels at the facility, and by trucks and trains traveling adjacent to the facility and to the offsite properties.

The U.S. Environmental Protection Agency (USEPA) has prepared a document clarifying RCRA policy for remediation waste[1] which provides the following on page 5 of the document.

> *Where a facility owner/operator makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not*

[1] USEPA, 1998. Management of Remediation Waste under RCRA. Office of Solid Waste and Emergency Response. Ref. EPA530-F-98-026. October 14.

> *exhibit a characteristic of hazardous waste, RCRA requirements do not apply... This approach was confirmed in the final NCP[2] preamble. See, 53 FR 51444, December 21, 1988 for proposed NCP preamble discussion; 55 FR 8758, March 13, 1990 for final NCP preamble discussion.*

There are no historical records of a release off- property from PWT's operation that would result in the determination that the off-property soils are a listed hazardous waste, specifically the F032, F034 and F035 listings that are assigned to *wastewater, process residuals, preservative drippage, and spent formulations from wood preserving processes that used chlorophenolic formulations, creosote or arsenic based treating solutions respectively.* These waste codes have been applied to soils on the property because of known releases on the property.

The soil containing dioxins that is located offsite of the former PWT facility (i.e., LRIS) is not designated as hazardous waste under the guidelines provided by USEPA. The operation that generated the dioxin compounds cannot be determined because there are several potential sources (including the wood treating operations) that could have led to contamination of soils in the offsite areas. Given this information, the F032, F034 and F035 listed hazardous waste codes are not applicable to the soil that could be generated during any future remedial action in the off-property area.

The soil sample results have also been reviewed for possible designation as a characteristic hazardous waste or a Washington state-only dangerous waste Per WAC 173-303-100 Dangerous Waste Criteria. The concentration of dioxins, polycyclic aromatic hydrocarbons (PAHs) and halogenated organic compounds (HOCs) were reviewed in accordance with the WAC 173-303-100 requirements as follows:

> Toxic Dangerous Wastes - The equivalent concentration for the toxic constituents (metals, PAHs, HOCs, and dioxins) is below the 0.001 percent threshold in WAC 173-303-100(5), and the material does not designate as a state-only toxic waste.
>
> Persistent Dangerous Wastes - PAHs, HOCs, and dioxins are below the 0.01 percent threshold for characterizing a material as a persistent dangerous waste as described in WAC 173-303-100(6).

Based on the above review, the soil to be generated during the off-property remedial action would not designate as a Washington state-only dangerous waste.

[2] National Contingency Plan

APPENDIX C

GEOTEXTILE SPECIFICATION AND PLANTING LIST

SECTION 31 05 19

GEOSYNTHETICS

PART 1 GENERAL

1.1 SUMMARY

A. This Section describes the requirements for the supply and installation of the geotextiles specified for erosion and sediment control and geotextile demarcation material.

1.2 SUBMITTALS

The CONTRACTOR shall submit the following to the ENGINEER per Section 01 33 00:

A. SD-01 (Preconstruction Submittals)

1. Product samples, data sheets, and complete description meeting or exceeding the specifications in this Section for materials supplied by Contractor.
2. Manufacturer’s quality control testing reports summarizing the testing requirements specified in Part 2 of this Section for materials supplied by Contractor.
3. Manufacturer’s instructions for storage, installation, and repair.
4. Product sample and data sheets.

1.3 FIELD MEASUREMENTS

A. CONTRACTOR shall verify actual quantities required with field measurements prior to ordering, fabricating, or installing geosynthetics (except demarcation geotextile) to ensure proper quantities are delivered to the site.

1.4 COORDINATION

A. The CONTRACTOR shall inform the ENGINEER prior to installation of geosynthetics so that ENGINEER may be present to observe installation.

1.5 MEASUREMENT AND PAYMENT

A. Measurement and payment shall be incidental to other Bid Items.

PART 2 PRODUCTS

2.1 GEOSYNTHETICS

2.1.1 SEDIMENT FENCE GEOTEXTILE

A. Sediment fence shall have the following MINIMUM properties:

Property	Test Method	Minimum Average Roll Value
Water Permittivity	ASTM D4491	0.02 sec^{-1}
Grab Tensile Strength	ASTM D4632	180 lbs minimum for extra strength fabric. 100 lbs minimum for standard strength fabric.
Grab Tensile Strength	ASTM D4632	30% maximum
Ultraviolet Resistance	ASTM D 4355	70% minimum
Polymeric mesh Apparent Opening Size	ASTM D4751	60 mm maximum for slit film wovens (#30 sieve). 0.30 mm maximum for all other geotextile types (#50 sieve). 0.15 mm minimum for all fabric types (#100 sieve).

B. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum of 6-inch overlap.

C. Wood, steel or equivalent posts shall be used. Wood posts shall have minimum dimensions of 2 inches by 2 inches by 3 feet minimum length, and shall be free of defects such as knots, splits, or gouges.

D. Steel posts shall consist of either size No. 6 rebar or larger, ASTM A 120 steel pipe with a minimum diameter of 1-inch, U, T, L, or C shape steel posts with a minimum weight of 1.35 lbs./ft. or other steel posts having equivalent strength and bending resistance to the post sizes listed. The spacing of the support posts shall be a maximum of 6 feet.

E. Fence back-up support, if used, shall consist of steel wire with a maximum mesh spacing of 2 inches, or a prefabricated polymeric mesh. The strength of the wire or polymeric mesh shall be equivalent to or greater than 180 lbs. grab tensile strength. The polymeric mesh must be as resistant to ultraviolet radiation as the geotextile it supports.

F. Sediment Fence geotextile shall be installed per Part 3.1 of this Section.

2.1.2 DEMARCATION GEOTEXTILE

A. The CONTRACTOR shall provide demarcation geotextile (SKAPS GT-160 non-woven geotextile or approved equal) having the following MINIMUM properties:

Property	Test Method	Minimum Average Roll Value
California Bearing Ratio Puncture Resistance	ASTM D6241	410 lbs
Apparent Opening Size	ASTM D4751	0.212 mm

B. Demarcation Geotextile shall be installed per Part 3.2 of this Section.

2.1.3 SEPARATION GEOTEXTILE FOR STABILIZED CONSTRUCTION ENTRANCE

A. A separation geotextile shall be placed under the spalls to prevent fine sediment from pumping up into the rock pad. The geotextile shall meet the following standards:

Property	Test Method	Minimum Average Roll Value
Mullen Burst Strength	ASTM D3786-80a	400 psi min.
Grab Tensile Strength	ASTM D4751	200 psi min.
Grab Tensile Elongation	ASTM D4632	30% maximum
Ultraviolet Resistance	ASTM D4355	70% minimum
Apparent Opening Size	ASTM D4751	20-45 (U.S. standard sieve size)

B. Separation geotextile for stabilized construction entrance shall be installed per Part 3.3 of this Section.

PART 3 EXECUTION

3.1 SEDIMENT FENCE GEOTEXTILE

A. The CONTRACTOR shall install and maintain temporary silt fences at the locations shown in the Plans. The silt fences shall be constructed in the areas of clearing, grading, or drainage prior to starting those activities. A silt fence shall not be considered temporary if the silt fence must function beyond the life of the contract. The silt fence shall prevent soil carried by runoff water from going beneath, through, or over the top of the silt fence, but shall allow the water to pass through the fence.

B. The minimum height of the top of silt fence shall be 2 feet and the maximum height shall be 2.5 feet above the original ground surface.

C. The geotextile shall be sewn together at the point of manufacture, or at an approved location as determined by the Engineer, to form geotextile lengths as required. All sewn seams shall be located at a support post. Alternatively, two sections of silt fence can be overlapped, provided the Contractor can demonstrate, to the satisfaction of the ENGINEER, that the overlap is long enough and that the adjacent fence sections are close enough together to prevent silt laden water from escaping through the fence at the overlap.

D. The geotextile shall be attached on the up-slope side of the posts and support system with staples, wire, or in accordance with the manufacturer's recommendations. The geotextile shall be attached to the posts in a manner that reduces the potential for geotextile tearing at the staples, wire, or other connection device. Silt fence back-up support for the geotextile in the form of a wire or plastic mesh is dependent on the properties of the geotextile selected for use. If wire or plastic back-up mesh is used, the mesh shall be

fastened securely to the up-slope of the posts with the geotextile being up-slope of the mesh back-up support.

E. The geotextile at the bottom of the fence shall be buried in a trench to a minimum depth of 4 inches below the ground surface. The trench shall be backfilled and the soil tamped in place over the buried portion of the geotextile, such that no flow can pass beneath the fence and scouring cannot occur. When wire or polymeric back-up support mesh is used, the wire or polymeric mesh shall extend into the trench a minimum of 3 inches.

F. The fence posts shall be placed or driven a minimum of 18 inches. A minimum depth of 12 inches is allowed if topsoil or other soft subgrade soil is not present and a minimum depth of 18 inches cannot be reached. Fence post depths shall be increased by 6 inches if the fence is located on slopes of 3:1 or steeper and the slope is perpendicular to the fence. If required post depths cannot be obtained, the posts shall be adequately secured by bracing or guying to prevent overturning of the fence due to sediment loading.

G. Silt fences shall be located on contour as much as possible, except at the ends of the fence, where the fence shall be turned uphill such that the silt fence captures the runoff water and prevents water from flowing around the end of the fence.

H. If the fence must cross contours, with the exception of the ends of the fence, gravel check dams placed perpendicular to the back of the fence shall be used to minimize concentrated flow and erosion along the back of the fence. The gravel check dams shall be approximately 1-foot deep at the back of the fence. It shall be continued perpendicular to the fence at the same elevation until the top of the check dam intercepts the ground surface behind the fence. The gravel check dams shall consist of crushed surfacing base course, gravel backfill for walls, or shoulder ballast. The gravel check dams shall be located every 10 feet along the fence where the fence must cross contours. The slope of the fence line where contours must be crossed shall not be steeper than 3:1.

3.2 DEMARCATION GEOTEXTILE INSTALLATION

A. CONTRACTOR shall install demarcation geotextile on top of finished subgrade (see Section 02 61 13 EARTHWORK).

B. Material shall be laid flat and smooth so it is in direct contact with the subgrade with a 6-inch minimum overlap. The surface shall be free of sharp materials that may puncture or tear the geotextile.

C. The ENGINEER shall verify adequate placement and coverage prior to backfill of the excavation area.

D. Demarcation materials shall not be exposed to sunlight or other open environmental factors for greater than 48 hours.

E. Demarcation materials shall be staked or stapled to prevent movement of demarcation material during soil placement and damage or removal of material by wind prior to soil placement.

3.3 SEPARATION GEOTEXTILE FOR STABILIZED CONSTRUCTION ENTRANCE

A. Install separation geotextile for stabilized construction entrance per manufacturer's instructions and Stormwater Management Manual for Western Washington (2005 Edition) (SMMWW).

3.4 PROTECTION

A. Protect geosynthetics during installation from clogging, tears, and other damage.

B. Damaged geosynthetics shall be repaired or replaced.

C. Adequate ballast (e.g. sand bags) shall be used to prevent uplift by wind.

3.5 REPAIRS

A. Repair all torn or damaged geotextile in accordance with manufacturer recommendations.

B. Geotextile rolls which cannot be repaired shall be removed and replaced.

C. Damage resultant of installation or other construction activities shall be performed at no additional cost to the OWNER.

-- End of Section --

Sales Office:
Engineered Synthetic Products, Inc.
Tel (770) 564-1857
Fax (770) 564-1818
www.espgeosynthetics.com

Geotextile Product Description Sheet

SKAPS GT-160
Nonwoven Geotextile

SKAPS GT-160 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-160 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-160 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd^2 (g/m^2)	6.0 (203)
Grab Tensile	ASTM D 4632	lbs (kN)	160 (0.711)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	60 (0.267)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	410 (1.82)
Permittivity*	ASTM D 4491	sec^{-1}	1.5
Water Flow*	ASTM D 4491	gpm/ft^2 ($l/min/m^2$)	110 (4480)
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight – lbs	195

* At the time of manufacturing. Handling may change these properties.

SKAPS Industries,
335 Athena Drive, Athens GA 30601
Phone:(706)-354-3700, Fax(706)-354-3737,
www.skaps.com

Made in U.S.A.

List of Plants without a Tap Root

Trees

Abies concolor	White Fir
*Acer japonicum**	Japanese Maple
Acer macrophyllum	Big-Leaf Maple
*Acer palmatum**	Japanese Maple
*Acer rubrum**	Red Maple
*Betula papyrifera**	Paper Maple
Betula pendula	Weeping Birch
*Carpinus betulus**	European Hornbeam
Cercidiphyllum japonicum	Katsuratree
Cornus florida	Flowering Dogwood
*Fagus sylvatica**	European Beech
*Fraxinus pennsylvanica**	Green Ash
Larix occidentalis	Western Larch
*Picea pungens**	Colorado Spruce
Picea sitchensis	Sitka Spruce
Platanus x acerfolia	London Plane Tree
Populus balsamifera	Black Cottonwood
Prunus emarginata	Bitter Cherry
Prunus serrulata	Japanese Flowering Cherry
Psuedotsug menziesii	Douglas Fir
Salix sp.	Willows
Styrax japonicas	Japanese Snowball
*Thuja occidentalis**	Arborvitae
Thuja plicata	Western Red Cedar
Tilia cordata	Little Leaf Linden

Shrubs

Abelia x grandifolia	Glossy Abelia
Acer circinatum	Vine Maple
Andromeda polifolia	Bog Rosemary
Arcostaphylos uvu-ursi	Kinnikinnik
*Azalea sp**	Azaleas
*Berberis Thunbergii**	Japanese Barberry
Clethra alnifolia	Summersweet Clethra
*Cornus alba**	Dogwood
*Cornus siricea**	Redosier Dogwood
Deutzia gracilis	Slender Deutzia
*Euonymus fortunei**	Wintercreeper Euonymus
Gautheria shallon	Salal
*Hamamelis mollis**	Chinese Witchhazel
Hamamelis Virginia	Witch Hazel
Kalmia latifolia	Mountain Laurel
*Lonicera japonica**	Japanese Honeysuckle
Mahonia aquifolium "Compacta"	Compact Oregon Grape
Oemleria cerasiformis	Indian Plum
Physocarpus capitatus	Western Ninebark
Rosa Gymnocarpa	Baldhip Rose
*Rhododendron sp.**	Rhododendrons
Sambucus cerulean	Blue Elderberry
Sambucus racemosa	Red Elderberry
Symphoricarpos albus	Snowberry
Vaccinium corymbosum	Highbush blueberry
Viburnum davidii	Davids Viburnum
Vaccinium ovatum	Evergreen huckleberry
Viburnum lantana	Wayfaring Tree Viburnum
*Viburnum opulus**	European Cranberrybush

Ground Cover

The following list includes anticipated ground cover for the site. However, other perennial herbaceous plants, annual flowers, grasses, sedges, ferns, and mosses are acceptable as well.

Aruncus dioicus	Goat's Beard	*Helictotrichon sempervirens*	Blue Oat Grass
Belchnum spicant	Deer Fern	*Miscanthus Sinensis*	Maiden Grass
*Calluna vulgaris**	Scotch Heather	*Pennisetum alopecuroides*	Fountain Grass
Camassia quamash	Common Camas	*Sesleria autumnalis*	Autumn Moor Grass
Cornus Canadensis	Bunchberry	*Anemone hybrida*	Japanese Anemone
Dicentra Formosa	Bleeding Heart	*Narcissus*	Daffodil
Fragaria chiloensis	Coastal Strawberry	*Echinacea purpurea*	Purple Cone Flower
Fragaria vesca	Woodland Strawberry	*Hemerocallis*	Daylily
Maianthemum dilatatum	False Lily-of-the-Valley	*Liriope muscari*	Lilyturf
Oxalis oregano	Wood Sorrel	*Rudbekia hirta*	Black-eyed Susan
Polystichum munitum	Sword Fern	*Sedum*	Stonecrop
Vancouveria hexandra	Inside-out Flower	Lawn mixes	
Carex	Sedges		
Deschampsia caespitosa	Tufted Hair Grass		

*Including varieties

Note: This list is not all inclusive and other plant material may be added if it does not have a tap root.

Data for list were obtained from the following sources:

- U.S. Forest Service Handbook 654 http://www.na.fs.fed.us/pubs/silvics_manual/table_of_contents.shtm
- U.S. Forest Service Shrub list http://www.fs.fed.us/database/feis/plants/shrub/
- USDA Natural Resources Conservation Service—Plants Data Base http://plants.usda.gov/index.html
- *The Complete Plant Selection Guide for Landscape Design* by Marc C. Stoecklein

APPENDIX D

MONITORING WORKSHEET

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:			
Weather:			
Completed By:			
River Level:		**24hr Precip:**	

Photograph Requirements:

Overview photograph of each cap component to capture composite view of entire cap.

Any noted changes or damage to the cap.

General Observations:

General cap condition and smoothness.

Stormwater flow characteristics (if monitoring conducted during wet weather).

Activity on the site.

Visible changes since previous inspection.

Standing water or areas of concentrated surface water flow.

Visible demarcation fabric.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

- Vegetative cover with estimated coverage.
- Areas of surface erosion (rills/gullies, concentrated sediment deposits).
- Standing water or concentrated surface water flow.
- Cracking of soil surface perpendicular or parallel to riverbank.
- Invasive species present (location and quantity).

Gravel Cap:

- Surface erosion or displacement of gravel.
- Pumping of subgrade soils to gravel surface.
- Damage, tracking, or penetrations.

Asphalt Cap:

- Settling or bulging indicating differential settlement or heaving.
- Cracking or buckling indicating lateral expansion or contraction.

Measurements:

Length and depth of any surface erosion or damage.

Estimated areal coverage of vegetation on soil cap.

Depth of gravel and soil caps at edges adjacent to pavement cap.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49	
Date:		
Weather:		
Completed By:		
River Level:		**24hr Precip:**

General Observations:

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

Gravel Cap:

Asphalt Cap:

Measurements:

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49
Date:	

Location (Station or Coordinates)	Observations	Photo Log

APPENDIX B-3

ANNUAL PROTECTIVE CAP MONITORING FORMS – 2017 TO 2022

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:	10/29/17		
Weather:	PARTLY CLOUDY, 56°F		
Completed By:	LINDSEY CROSBY		
River Level:	1.35 ft (STND)	**24hr Precip:**	NONE

Photograph Requirements:

Overview photograph of each cap component to capture composite view of entire cap.

Any noted changes or damage to the cap.

General Observations:

General cap condition and smoothness.

Stormwater flow characteristics (if monitoring conducted during wet weather).

Activity on the site.

Visible changes since previous inspection.

Standing water or areas of concentrated surface water flow.

Visible demarcation fabric.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

- Vegetative cover with estimated coverage.
- Areas of surface erosion (rills/gullies, concentrated sediment deposits).
- Standing water or concentrated surface water flow.
- Cracking of soil surface perpendicular or parallel to riverbank.
- Invasive species present (location and quantity).

Gravel Cap:

- Surface erosion or displacement of gravel.
- Pumping of subgrade soils to gravel surface.
- Damage, tracking, or penetrations.

Asphalt Cap:

- Settling or bulging indicating differential settlement or heaving.
- Cracking or buckling indicating lateral expansion or contraction.

Measurements:

Length and depth of any surface erosion or damage.

Estimated areal coverage of vegetation on soil cap.

Depth of gravel and soil caps at edges adjacent to pavement cap.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:	10/29/17		
Weather:	PARTLY SUNNY, 56°F.		
Completed By:	LINDSEY CROSBY		
River Level:	1.35 (STND)	**24hr Precip:**	NONE

General Observations:

CAP CONDITIONS WERE INSPECTED THROUGHOUT THE 2016-2017 CONSTRUCTION SEASON WHILE MFA STAFF WERE OVERSEEING OFF-PROPERTY PORTION CLEAN-UP WORK. CAP INSPECTIONS COMPLETED CONSISTENT WITH THE DRAFT OPERATIONS PLAN.

OVERALL CAP IN GOOD CONDITION. SOME STANDING WATER AND DEAD VEGETATION DUE TO UNAUTHORIZED VEHICLE TRAFFIC ON CAP. NO VISIBLE DEMARCATION FABRIC. ACTIVITES INCLUDE CAP MAINTENANCE.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

OVERALL GOOD VEGETATION COVERAGE. SOME MATTING EXPOSED. STANDING WATER OBSERVED AT WEST SIDE OF CITY ACCESS ROAD NEAR THE BOAT LAUNCH PARKING AREA. AREAS OF DEAD GRASS AND STANDING WATER RESULT OF RUTS AND DEPRESSIONS MADE BY NON-PORT VEHICLES DRIVING AND PARKING ON CAP. NO SOIL CRACKS.

Gravel Cap:

OVERALL GOOD CONDITION. NO EROSION OBSERVED. SOME DISTURBED GRAVEL WHERE VEHICLES HAVE TURNED AROUND ON THE ROADWAY.

Asphalt Cap:

OVERALL CONDITION GOOD. MINOR DEGRADATION / RAVELING IN ONE AREA (SEE OBSERVATIONS PAGE).

Measurements:

ESTIMATED AREAL COVERAGE OF VEGETATION ON SOIL CAP 95%.

GRAVEL AND SOIL CAPS APPEAR TO BE AT DESIGN DEPTH AT ADJACENT PAVEMENT CAP.

SEE OBSERVATIONS PAGE FOR EROSION MEASUREMENTS

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49
Date:	10/29/17

Location (Station or Coordinates)	Observations	Photo Log
45° 49' 10" N 122° 45' 02" W	OVERALL CAP CONDITION - GOOD	1
45° 49' 14" N 122° 45' 01" W	2'X0.5' EROSION AT CATCH BASIN INLET	2
45° 49' 03" N 122° 45' 00" W	10'X20' DEAD VEGETATION / VEHICLE RUTS	3
45° 49' 04" N 122° 45' 00" W	8'X10' VEHICLE RUTS / STANDING WATER	4
45° 49' 02.8" N 122° 45' 56" W	10'X15' DEAD VEGETATION / VEHICLE RUTS	5
45° 49' 03" N 122° 44' 57" W	5'X20' DEAD VEGETATION DUE TO VEHICLES	6
45° 49' 02" N 122° 44' 57" W	20'X50' INCONSISTENT VEGETATION COVERAGE AND STANDING WATER DUE TO VEHICLE TRAFFIC.	7
45° 49' 06" N 122° 45' 59" W	INCONSISTENT VEGETATION COVERAGE DUE TO VEHICLE TRAFFIC.	8
45° 49' 0.[illegible]" N 122° 45' 0:8" W	1'X0.5' PAVEMENT OF ASPHALT	11

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 1

Overall Cap Condition (Cell 2, looking N)

Photo No. 2

Minor erosion at catch basin in Cell 2

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 3

Inconsistent vegetation cover due to unauthorized vehicle traffic (Cell 3, looking SW)

Photo No. 4

Standing water due to unauthorized vehicle traffic (Cell 3, looking N)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 5

Standing water/inconsistent vegetation cover due to unauthorized vehicle traffic (Cell 3, looking E)

Photo No. 6

Inconsistent vegetative cover due to unauthorized vehicle traffic (Cell 3, looking S).

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 7

Standing water/inconsistent vegetative cover due to unauthorized vehicle traffic (Cell 3, looking S)

Photo No. 8

Inconsistent vegetative cover due to unauthorized vehicle traffic (Cell 3, looking W)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 9

Gravel access road (looking N)

Photo No. 10

Gravel access road (looking S)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 11

Asphalt degradation at pin/spike
45d49'08.14"N
122d45'00.82"W

Photo No. 12
Asphalt Roadway (looking E)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 13

Asphalt walkway (Cell 3, looking S)

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:	10/16/18		
Weather:	SUNNY, 78°F		
Completed By:	BROOKE HARMON		
River Level:	1.5 ft (STND)	**24hr Precip:**	NONE

Photograph Requirements:

Overview photograph of each cap component to capture composite view of entire cap.

Any noted changes or damage to the cap.

General Observations:

General cap condition and smoothness.

Stormwater flow characteristics (if monitoring conducted during wet weather).

Activity on the site.

Visible changes since previous inspection.

Standing water or areas of concentrated surface water flow.

Visible demarcation fabric.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

- Vegetative cover with estimated coverage.
- Areas of surface erosion (rills/gullies, concentrated sediment deposits).
- Standing water or concentrated surface water flow.
- Cracking of soil surface perpendicular or parallel to riverbank.
- Invasive species present (location and quantity).

Gravel Cap:

- Surface erosion or displacement of gravel.
- Pumping of subgrade soils to gravel surface.
- Damage, tracking, or penetrations.

Asphalt Cap:

- Settling or bulging indicating differential settlement or heaving.
- Cracking or buckling indicating lateral expansion or contraction.

Measurements:

Length and depth of any surface erosion or damage.

Estimated areal coverage of vegetation on soil cap.

Depth of gravel and soil caps at edges adjacent to pavement cap.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:	10/16/18		
Weather:	SUNNY, 78°F		
Completed By:	BROOKE HARMON		
River Level:	1.5 Ft (STND)	**24hr Precip:**	NONE

General Observations:

OVER ALL CAP IN GOOD CONDITION. DEAD VEGETATION IN SOME AREAS DUE TO UNAUTHORIZED VEHICLE TRAFFIC ON CAP. NO VISIBLE DEMARCATION FABRIC. CAP INSPECTION COMPLETED CONSISTENT WITH THE DRAFT OPERATIONS PLAN.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

OVER ALL GOOD VEGETATION COVERAGE. AREAS OF DEAD GRASS FROM RUTS AND DEPRESSIONS MADE BY NON-PORT VEHICLES DRIVING AND PARKING ON CAP. NO SOIL CRACKS.

Gravel Cap:

OVERALL GOOD CONDITION. NO EROSION OBSERVED. SOME DISTURBED GRAVEL WHERE VEHICLES HAVE TURNED AROUND.

Asphalt Cap:

OVERALL CONDITION GOOD. MINOR DEGRADATION / RAVELING IN ONE AREA, & TWO SMALL CRACKS IN ONE AREA, AND HEAVY EQUIPMENT STEEL TRACK MARKS IN ONE AREA. (SEE OBSERVATIONS PAGE).

Measurements:

ESTIMATED AERIAL COVERAGE OF VEGETATION ON SOIL CAP 85%
GRAVEL AND SOIL CAPS APPEAR TO BE AT DESIGN DEPTH AT ADJACENT PAVEMENT CAP.
SEE OBSERVATIONS PAGE FOR EROSION/DEAD VEGETATION MEASUREMENTS.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49	
Date:	10/16/18	
Location (Station or Coordinates)	**Observations**	**Photo Log**
45°49'03.61 N 122°45' 01.29 W	GOOD OVERALL CAP CONDITION	1
45°49'14.09 N 122°45'01.36 W	2' x 0.5' EROSION AT CATCH BASIN INLET	2
45°49.03.40 N 122°45'00.60 W	10' x 20' DEAD VEGETATION / VEHICLE RUTS	3
45°49' 02.74 N 122°44'59.50 W	10' x 30' INCONSISTENT VEGETATION COVERAGE AND VEHICLE RUTS	4
45°49'02.57 N 122°44'59.78W	20' x 40' DEAD VEGETATION / VEHICLE RUTS	5
45°49'02.74 N 122°44.58.01 W	40' x 40' DEAD VEGETATION / VEHICLE RUTS	6
45°49'02.29 N 122°44'57.16W	40' x 20' DEAD VEGETATION / VEHICLE RUTS	7
45°49'06.37 N 122°45'03.32W	5' x 20' VEHICLE RUTS	8
45°49'06.52 N 122°44'59.92 W	5' x 2' MINOR DISTURBED GRAVEL	9
45°49'07.69 N 122°45'02.80W	20' x 10' STEEL TRACK MARKS ON ASPHALT	10
45°49'07.73N 122°45'02.98W	0.5' x 0.5' RAVELING OF ASPHALT	11
45°49'07.73N 122°45'03.26W	0.5' x 4' ASPHALT CRACKS	14

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 1

Overall Cap Condition (Cell 2, looking north)

Photo No. 2

Minor erosion at catch basin in Cell 2

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 3

Inconsistent vegetation cover due to unauthorized vehicle traffic (Cell 3, looking north)

Photo No. 4

Inconsistent vegetation cover due to unauthorized vehicle traffic (Cell 3, looking south)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 5

Inconsistent vegetation cover due to unauthorized vehicle traffic (Cell 3, looking east)

Photo No. 6

Inconsistent vegetative cover due to unauthorized vehicle traffic (Cell 3, looking south).

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 7

Inconsistent vegetative cover due to unauthorized vehicle traffic (Cell 3, looking south)

Photo No. 8

Inconsistent vegetative cover due to unauthorized vehicle traffic (Cell 3, looking east)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 9

Gravel access road (looking north)

Photo No. 10

Asphalt degradation

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 11

Asphalt degradation

Photo No. 12

Asphalt roadway (looking east)

PHOTO LOG

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 13

Asphalt walkway (Cell 3, looking south)

Photo No. 14

Asphalt degradation

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9003.01.49		
Date:	11/6/2019		
Weather:	Clear, 45°F		
Completed By:	Meaghan Pollock		
River Level:	+0.56 ft (STND)	**24hr Precip:**	None

Photograph Requirements:

Overview photograph of each cap component to capture composite view of entire cap.

Any noted changes or damage to the cap.

General Observations:

General cap condition and smoothness.

Stormwater flow characteristics (if monitoring conducted during wet weather).

Activity on the site.

Visible changes since previous inspection.

Standing water or areas of concentrated surface water flow.

Visible demarcation fabric.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

- Vegetative cover with estimated coverage.
- Areas of surface erosion (rills/gullies, concentrated sediment deposits).
- Standing water or concentrated surface water flow.
- Cracking of soil surface perpendicular or parallel to riverbank.
- Invasive species present (location and quantity).

Gravel Cap:

- Surface erosion or displacement of gravel.
- Pumping of subgrade soils to gravel surface.
- Damage, tracking, or penetrations.

Asphalt Cap:

- Settling or bulging indicating differential settlement or heaving.
- Cracking or buckling indicating lateral expansion or contraction.

Measurements:

Length and depth of any surface erosion or damage.

Estimated areal coverage of vegetation on soil cap.

Depth of gravel and soil caps at edges adjacent to pavement cap.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9003.01.49		
Date:	11/6/2019		
Weather:	Clear, 45°F		
Completed By:	Meaghan Pollock		
River Level:	+ 0.56 Ft. (STND)	**24hr Precip:**	None

General Observations:

Overall cap is in good condition. Dead vegetation in some areas due to unauthorized vehicle traffic on cap. No visible demarcation fabric.

Cap inspection completed consistent with the draft operations plan.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

Overall good vegetative coverage. Areas of dead grass in ruts due to non-Port authorized vehicles driving and parking on cap. Vole damage across Cell 3 area. Unauthorized vehicle traffic on Cell 3 to Marina parking lot has significantly eroded soil cap.

Gravel Cap:

Overall good condition. No erosion or demarcation fabric observed. Some disturbed gravel noted from vehicles turning around on surface.

Asphalt Cap:

Overall good condition. Minor degradation noted (same as 2018 inspection).

Measurements:

Estimated aerial coverage of vegetation on soil cap is 50%.
Gravel and soil caps appear to be at design depth at adjacent pavement cap.
See observations page for erosion/dead vegetation measurements.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9003.01.49	
Date:	11/6/2019	
Location (Station or Coordinates)	**Observations**	**Photo Log**
45°49'14.07 N 122°44'57.91 W	Good overall cap condition Cell 1	1
45°49'15.46 N 122°45'5.71 W	Good overall cap condition Cell 2	2
45°49'2.33 N 122°44'59.67 W	Good overall cap condition Cell 3	3
45°49'22.33 N 122°44'59.40 W	Good overall cap condition Cell 4	4
45°49'14.25 N 122°45'1.37 W	3' x 0.5' erosion at catch basin	5
45°49'1.89 N 122°45'1.04 W	3.5' x 1.5' erosion at catch basin	6
45°49'11.77 N 122°45'1.98 W	10' x 20' dead vegetation/vehicle ruts	7
45°49'12.49 N 122°45'5.22 W	10'x15' surficial damage caused by voles	8
45°49'2.17 N 122°44'58.35 W	20'x40' erosion in cell 3	9
45°49'2.84 N 122°44'57.64 W	50'x60' dead vegetation/vehicle ruts	10
45°49'1.81 N 122°44'56.42 W	30'x60' dead vegetation/vehicle ruts	11
45°49'17.70 N 122°45'0.88 W	30'x60' disturbed gravel/dead vegetation	12
45°49'7.89 N 122°44'59.73 W	25'x25' disturbed gravel	13
45°49'5.39 N 122°44'59.95 W	0.25'x0.25' raveling asphalt	14
45°44'34.07 N 122°45'0 W	Good asphalt cap condition Cell 4	15

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 1.

Description
Good overall cap condition, facing northeast (Cell 1)

Photo No. 2.

Description
Good overall cap condition, facing south (Cell 2)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 3.

Description
Good overall cap condition, facing northeast (Cell 3)

Photo No. 4.

Description
Good overall cap condition, facing north (Cell 4)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 5.

Description
Minor erosion at catch basin in Cell 2, facing west

Photo No. 6.

Description
Erosion at catch basin in Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 7.

Description
Inconsistent vegetation cover due to unauthorized vehicle traffic in Cell 3, facing west

Photo No. 8.

Description
Inconsistent vegetation cover due to unauthorized vehicle traffic in Cell 3, facing northeast

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 9.

Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 2, facing northeast

Photo No. 10.

Description
Disturbed gravel and soil cap in Cell 2, facing west

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 11.

Description
Disturbed gravel cap in Cell 3, facing southwest

Photo No. 12.

Description
Asphalt degradation, Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 13.

Description
Asphalt cap in Cell 4, facing south

Photo No. 14.

Description
Surface rills caused by voles in Cell 2, facing north

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.49
Location: Port of Ridgefield, Washington

Photo No. 15.

Description
Significant erosion of soil cap in Cell 3 due to unauthorized vehicle traffic between gravel access road and marina parking lot, facing southeast

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49		
Date:	11/11/2020		
Weather:	PARTLY CLOUDY, 50°F		
Completed By:	B. HARMON		
River Level:	+2.5 FT	**24hr Precip:**	0.07"

General Observations:

OVERALL CAP IS IN GOOD CONDITION.
DEAD VEGETATION IN SOME AREAS DUE TO UNAUTHORIZED VEHICLE TRAFFIC ON CAP. AND NO VISIBLE DEMARCATION FABRIC.
CAP INSPECTION COMPLETED CONSISTENT WITH OPERATIONS PLAN

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

OVERALL GOOD VEGETATION COVERAGE. AREAS OF DEAD GRASS FROM RUTS AND DEPRESSIONS MADE BY NON-PORT VEHICLES DRIVING AND PARKING ON CAP. SOIL STOCKPILE ALSO REMOVED AND ADDED FOR OVERPASS CONSTRUCTION. NO SOIL CRACKS.

Gravel Cap:

OVERALL GOOD CONDITION. NO EROSION OBSERVED
SOME DISTURBED GRAVEL WHERE VEHICLES HAVE TURNED AROUND

Asphalt Cap:

OVERALL CONDITION IS GOOD. MINOR DEGRADATION / RAVELING EAST OF KAMAK RAMP. SMALL CRACKS + HEAVY EQUIPMENT TRACK MARKS OBSERVED

Measurements:

ESTIMATED AERIAL COVERAGE OF VEGETATION ON SOIL CAP IS 70 %. GRAVEL + SOIL CAPS APPEAR TO BE A DESIGN DEPTH AT ADJACENT PAVEMENT CAP. SEE OBSERVATIONS PAGE FOR EROSION/DEAD VEGETATION MEASUREMENTS

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49
Date:	11/11/2020

Location (Station or Coordinates)	Observations	Photo Log
N 45° 49' 17.339 W 122° 44'58.379	GOOD OVERALL CAP CONDITION IN CELL 1	1
N 45° 49' 17.339 W 122° 45' 00.739	GOOD OVERALL CAP CONDITION IN CELL 2	2
N 45° 49' 01.818 W 122° 45'00.798	20' x 30' INCONSISTENT VEGETATION	3
N 45° 49'02.232 W 122° 45'01.127	20' x 30' INCONSISTENT VEGETATION	4
N 45° 49'14.148 W 122° 45'01.482	3' x 0.5' EROSION AT CATCH BASIN	5
N 45°49'01.919 W 122°45'01.037	3.5' x 1.5' EROSION AT CATCH BASIN	6
N 45° 49' 07.470 W 122°45'00.000	80' x 50' DEAD VEGETATION / VEHICLE RUTS	7
N 45° 49'06.737 W 122° 45' 00.162	50' x 50' DEAD VEGETATION / VEHICLE RUTS	8
N 45° 49'09.761 W 122° 45'00.269	3' x 30' INCONSISTENT VEGETATION	9
N 45° 49° 17.622 W 122° 45° 01.698	20' x 20' DISTURBED GRAVEL	10
N 45° 49'07.769 W 122° 44'59'730	18' x 3' DISTURBED GRAVEL	11
N 45° 49'07.740 W 122° 45'03.348	6' x 0.25' ASPHALT CRACK	12
N 45° 49'07.907 W 122° 45'03.600	20' x 10' TRACK MARKS ON ASPHALT	13
N 45° 49'07.398 W 122° 45'03.959	50' x 50' INCONSISTENT VEGETATION	14
N 45° 49'01.859 W 122° 44'57.797	20' x 20' DEAD VEGETATION / VEHICLE RUTS	15

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 1.

Description
Good overall cap condition, facing northeast (Cell 1)

Photo No. 2.

Description
Good overall cap condition, facing south (Cell 2)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 3.

Description
Fair overall cap condition, facing northeast (Cell 3)

Photo No. 4.

Description
Fair overall cap condition, facing east (Cell 3)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 5.

Description
Minor erosion at catch basin in Cell 2

Photo No. 6.

Description
Erosion at catch basin in Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 7.

Description
Inconsistent vegetation cover due to unauthorized vehicle traffic in Cell 3, facing west

Photo No. 8.

Description
Disturbed gravel and inconsistent vegetation cover due to unauthorized vehicle traffic in Cell 3, facing south

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 9.

Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 2, facing south

Photo No. 10.

Description
Disturbed gravel and soil cap in Cell 2, facing east

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 11.

Description
Disturbed gravel cap in Cell 3, facing southwest

Photo No. 12.

Description
Asphalt degradation, Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 13.

Description
Asphalt degradation, Cell 3

Photo No. 14.

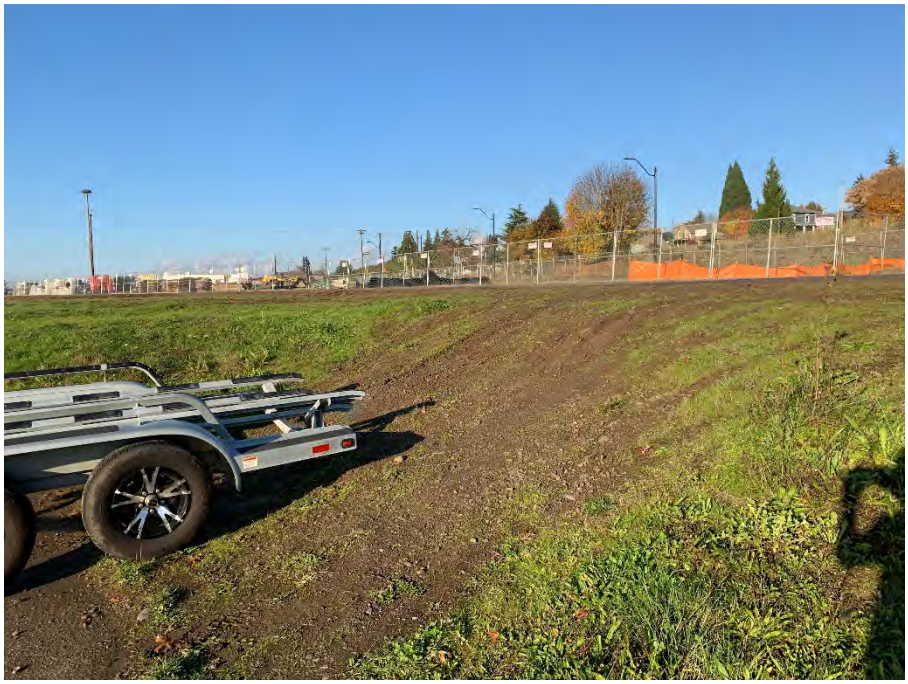
Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 3, facing south

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.55
Location: Port of Ridgefield, Washington

Photo No. 15.

Description
Erosion of soil cap in Cell 3 due to unauthorized vehicle traffic between gravel access road and marina parking lot, facing northeast



SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49
Date:	12/2/2021
Weather:	partly cloudy, light breeze, high 40s
Completed By:	M. Pollock
River Level:	+3.87 (0818 at Columbia River) 24hr Precip: 0.00" (NONE)

only 12 at St. Helens NOAA Gauge

General Observations:

Overall cap is in good condition. Dead vegetation in some areas due to unauthorized vehicle traffic on cap. No visible demarcation fabric. Ponding and visible soil on southeast portion of cap where former overpass construction equipment was staged. Cap inspection completed consistent with operations plan.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

Overall good vegetative coverage. Areas of dead grass from cuts and depressions made by non-Port vehicles driving and parking on cap. Overpass construction equipment staging area has been cleaned. Poor vegetation coverage and stormwater ponding observed in former staging area on southeast portion of cap.

Gravel Cap:

Overall good condition. No erosion observed. Some disturbed gravel where vehicles have turned around.

Asphalt Cap:

General condition is good. Minor degradation/raveling east of kayak ramp, small cracks & heavy equipment track marks observed.

Measurements:

Estimated aerial coverage of vegetation on soil cap is 65%, gravel + soil caps appear to be at design depth at adjacent pavement cap. See observations page for erosion / dead vegetation measurements

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	9001.01.49
Date:	12/2/2021

Location (Station or Coordinates)	Observations	Photo Log
N 45°49' 13.760 W 122° 44' 54.010	Good overall cap condition in cell 1.	1
N 45°49' 17.850 W 122° 45' 6.070	Good overall cap condition in cell 2.	2
N 45°49' 9.230 W 122° 45' 4.530	Good cap condition in cell 2. Note tire tracks in grass.	3
N 45°49' 9.220 W 122°45' 4.810	Good cap condition in cell 2	4
N 45°49' 14.480 W 122° 45' 1.130	3' x 0.5' erosion at catch basin	5
N 45°49'01.920 W 122°45' 01.050	3.5' x 1.5' erosion at catch basin.	6
N 45°49' 7.260 W 122° 44' 59.950	80' x 50' dead vegetation / vehicle ruts	7
N 45°49' 4.210 W 122° 44' 58.570	100' x 60' dead vegetation / ponded stormwater	8
N 45°49' 2.850 W 122°44' 56.730	20' x 50' dead vegetation / vehicle ruts	9
N 45°49' 17.740 W 122° 45' 1.650	20' x 25' disturbed gravel	10
N 45°49' 7.740 W 122° 44' 59.560	10' x 4' disturbed gravel	11
N 45°49' 7.740 W 122° 45' 3.080	6' x 0.25" asphalt crack	12
N 45°49' 7.910 W 122° 45' 3.540	20' x 10' track marks in asphalt	13
N 45°49' 7.400 W 122° 45' 3.760	50' x 30' inconsistent vegetation	14
N 45°49' 1.840 W 122° 44' 57.640	20' x 20' dead vegetation / vehicle ruts	15
N 45°49' 5.450 W 122° 45' 2.910	6' x 10' dead vegetation / vehicle ruts	16

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 1.

Description
Good overall cap condition, facing northeast (Cell 1)

Photo No. 2.

Description
Good overall cap condition, facing south (Cell 2)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 3.

Description
Good overall cap condition, facing northeast (Cell 3)

Photo No. 4.

Description
Good overall cap condition, facing east (Cell 3)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 5.

Description
Minor erosion at catch basin in Cell 2

Photo No. 6.

Description
Erosion at catch basin in Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 7.

Description
Inconsistent vegetation cover due to unauthorized vehicle traffic in Cell 3, facing west

Photo No. 8.

Description
Disturbed gravel and inconsistent vegetation cover in location of former overpass construction equipment staging area in Cell 3, facing south

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 9.

Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 2, facing north

Photo No. 10.

Description
Disturbed gravel and soil cap in Cell 2, facing east

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 11.

Description
Disturbed gravel cap in Cell 3, facing southwest

Photo No. 12.

Description
Asphalt degradation, Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 13.

Description
Asphalt degradation, Cell 3

Photo No. 14.

Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 3, facing south

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: 9003.01.56
Location: Port of Ridgefield, Washington

Photo No. 15.

Description
Erosion of soil cap in Cell 3 due to unauthorized vehicle traffic between gravel access road and marina parking lot, facing northeast

Photo No. 16.

Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 3, facing southwest

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	~~9001.01.49~~ M9003.01.056	
Date:	11-15-2022	
Weather:	clear, cool, high 30s	
Completed By:	M. Pollock	
River Level: +2.61 @ 1006		24hr Precip: 0"

↳ Columbia River @ St. Helens NOAA gauge

General Observations:

- Overall cap is in good condition.
- Much of the soil cap has been cordoned off with fence posts and rope.
- Northeast and north-central portion of cell 3 has been graveled.
- Some vehicle traffic on cap. no visible denier cordon fabric.
- Dead vegetation in some areas due to unauthorized traffic on cap.
- Cap inspection completed consistent with operations plan.

Specific Observations: To be noted with photographs, measurements, and locations:

Vegetated Cap:

Overall good vegetative coverage. Areas of dead grass from cuts and depressions made by non-Port vehicles driving on cap. Former overpass construction storage area on cell 3 has been gravelled (approximately 2 acre area)

Gravel Cap:

Overall good condition. No erosion observed. Some areas of disturbed gravel where vehicles have turned around.

Asphalt Cap:

General condition is good. Minor degradation/raveling east of kayak ramp. Small cracks & heavy equipment track marks observed.

Measurements:

Estimated aerial coverage of vegetation on soil cap is 75%. approximately 2 acres of soil cap has been graveled. Gravel and soil caps appear to be at design depth at adjacent pavement cap. See observations page for erosion/dead vegetation measurements.

SITE INSPECTION SUMMARY REPORT
PORT OF RIDGEFIELD CAP VISUAL MONITORING

Project Number:	~~9001.01.49~~ M9003.01.056
Date:	11-15-2022

Location (Station or Coordinates)	Observations	Photo Log
N 45°49'14.049 W 122°44'58.429	Good overall cap condition in cell 1	1
N 45°49'18.140 W 122°45'2.469	Good overall cap condition in cell 2	2
N 45°49'4.899 W 122°45'1.400	Good overall cap condition in cell 3	3
N 45°49'3.140 W 122°44'57.309	Good overall cap condition in cell 2. Note tire tracks in grass.	4
N 45°49'14.019 W 122°45'1.400	3' x 0.5' erosion at catch basin in cell 2.	5
N 45°49'1.809 W 122°45'0.960	2' x 0.5' erosion at catch basin in cell 3.	6
N 45°49'7.600 W 122°44'51.979	graveled area on cell 3.	7
N 45°49'7.779 W 122°45'0.080	graveled area on cell 3.	8
N 45°49'2.140 W 122°44'51.760	graveled area on cell 3.	9
N 45°49'17.850 W 122°45'1.679	20' x 15' disturbed gravel on cell 2.	10
N 45°49'7.690 W 122°45'3.299	6' x 0.25" asphalt crack on cell 3.	11
N 45°49'7.850 W 122°45'3.489	20' x 10' tracks in asphalt on cell 3.	12
N 45°49'9.869 W 122°45'0.159	10' x 20' dead vegetation/vehicle ruts cell 2.	13
N 45°49'1.859 W 122°44'57.890	20' x 20' dead vegetation/vehicle ruts cell 3	14
N 45°49'3.140 W 122°44'58.320	20' x 30' dead vegetation/vehicle ruts cell 3.	15
N 45°49'21.320 W 122°45'0.030	Good overall cap condition cell 4.	16

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 1.

Description
Good overall cap condition, facing northeast (Cell 1)

Photo No. 2.

Description
Good overall cap condition, facing south (Cell 2)

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 3.

Description
Good overall cap condition, facing northeast (Cell 3)

Photo No. 4.

Description
Good overall cap condition, facing west (Cell 3). Note vehicle ruts in grass.

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 5.

Description
Minor erosion at catch basin in Cell 2

Photo No. 6.

Description
Minor erosion at catch basin in Cell 3. Note rock placed on far side of catch basin to limit erosion.

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 7.

Description
Northern portion of graveled area in Cell 3, facing west

Photo No. 8.

Description
Northern portion of graveled area in Cell 3, facing southeast

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 9.

Description
Graveled area in Cell 3, facing north

Photo No. 10.

Description
Minor disturbed gravel and soil cap in Cell 2, facing southeast

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 11.

Description
Asphalt degradation, Cell 3

Photo No. 12.

Description
Asphalt degradation, Cell 3

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 13.

Description
Inconsistent vegetation due to unauthorized vehicle traffic in Cell 2, facing west

Photo No. 14.

Description
Erosion of soil cap in Cell 3 due to unauthorized vehicle traffic between gravel access road and marina parking lot, facing northeast

PHOTOGRAPHS

Project Name: Cap Visual Monitoring
Project Number: M9003.01.056
Location: Port of Ridgefield, Washington
Date: November 15, 2022

Photo No. 15.

Description
Erosion of soil cap in Cell 3 due to unauthorized vehicle traffic between gravel access road and marina parking lot, facing north

Photo No. 16.

Description
Minor erosion of soil cap in Cell 4 due to unauthorized vehicle traffic, facing north