December 30, 2020

Brandon Perkins, Task Monitor
United States Environmental Protection Agency
1200 Sixth Avenue, Suite 155, Mail Stop 13-J07
Seattle, Washington 98101

Re: Contract Number: EP-S7-13-07
Task Order, Subtask Number: TO-0380-013
Former Western States Plywood Cooperative Mill, Targeted Brownfields Assessment

Dear Mr. Perkins:

Enclosed please find the Final Targeted Brownfields Assessment report for the Former Western States Plywood Cooperative Mill site, which is located in Port Orford, Oregon. If you have any questions regarding this submittal, please call me at (206) 624-9537.

Sincerely,
WSP USA, Inc.

Linda Ader
START-IV Team Leader

cc: Derek Pulvino, Project Manager, WSP USA, Inc., Seattle, Washington

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Former Western States Plywood
Cooperative Mill Site
Targeted Brownfields Assessment
Port Orford, Oregon

Task Order, Subtask Number: TO-0380-013

December 2020

Prepared for:
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Sixth Avenue
Seattle, Washington 98101

Prepared by:

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List of Abbreviations and Acronyms

Term	Definition
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
AAR	Archaeological Research, Inc.
AST	Aboveground Storage Tank
bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CLP	Contract Laboratory Program
COI	Contaminant of Interest
CRQL	Contract Required Quantitation Limit
DU	Decision Unit
EMI	Electromagnetic Induction
EPA	United States Environmental Protection Agency
ERA	Ecological Risk Assessment
ERP	Elk River Partners, LLC
ESA	Environmental Site Assessment
FPP	Fire Pond Parcel
GIS	Geographic Information System
GPS	Global Positioning System
GPR	Ground-Penetrating Radar
GSL	Geophysical Survey, LLC
HAI	Hahn and Associates, Inc.
Hg	mercury
IDW	Investigation-Derived Waste
ISM	Incremental Sampling Method
ITRC	Interstate Technology & Regulatory Council
JJW	JJW Sustainable Land Trust, LLC
LIDAR	light detection and ranging
MDL	Method Detection Limit
MEL	EPA Region 10 Manchester Environmental Laboratory
ng/kg	nanograms per kilogram
ODEQ	Oregon Department of Environmental Quality
OGC	Oregon State Game Commission
PAH	Polynuclear Aromatic Hydrocarbons

List of Abbreviations and Acronyms (cont.)

Term	Definition
PBS	PBS Engineering and Environmental
PCB	Polychlorinated Biphenyl
PCP	Pentachlorophenol
PID	Photoionization Detector
PM	Project Manager
ppb	parts per billion
QA/QC	Quality Assurance/Quality Control
RBC	Risk-Based Concentration
REC	Recognized Environmental Condition
SHPO	State Historic Preservation Officer
SIM	Select Ion Monitoring
site	former Western States Plywood Cooperative Mill site in Port Orford, Oregon
SLV	Screening Level Value (Ecological)
SOW	Statement of Work
SQAP	Sampling and Quality Assurance Plan
START	Superfund Technical Assessment and Response Team
SVOC	Semivolatile Organic Compound
T&E	Threatened and Endangered
TAL	Target Analyte List
TBA	Targeted Brownfields Assessment
TCDD	Tetrachlorodibenzo-p-dioxin
TDEMI	Time Domain Electromagnetic Induction
TEQ	Toxicity Equivalent Quotient
THPO	Tribal Historic Preservation Office
TM	Task Monitor
TOC	Total Organic Compound
TPH	Total Petroleum Hydrocarbons
TPH-Dx	Total Petroleum Hydrocarbons as Diesel to Heavy-Oil
TPH-Gx	Total Petroleum Hydrocarbons as Gasoline
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WRLT	Wild Rivers Land Trust
WSP	WSP USA, Inc.
WSPCM	Western States Plywood Cooperative Mill

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1 Introduction

Pursuant to the U.S. Environmental Protection Agency (EPA), Region 10 Superfund Technical Assessment and Response Team (START)-IV Contract Number EP-S7-13-07 and Task Order, Subtask Number TO-0380-013, WSP USA, Inc. (WSP), formerly Ecology and Environment, Inc., performed a Targeted Brownfields Assessment (TBA) at the former Western States Plywood Cooperative Mill (WSPCM) site in Port Orford, Oregon (referred to herein as "the site"). The EPA's Brownfields Economic Redevelopment Initiative is designed to empower states, cities, tribes, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfield sites (EPA 2002).

In November 2019, the Wild Rivers Land Trust (WRLT) submitted a TBA request to the EPA. This request asked for assistance with Phase II Environmental Site Assessment (ESA)-type sampling and site characterization work to better understand the presence and extent of contamination and determine whether a cleanup would be required based on future uses and redevelopment plans. The request put a primary focus on three tax lots (104, 900, and 901); however, depending WRLT's ability to arrange for access, expanding the scope of investigation to include Tax Lots 100, 902, and 903 was also requested. The EPA approved this request and the START began work in January of 2020.

WRLT has identified Bagley Creek, which traverses the study site, as an important historic fisheries habitat that has been compromised by the previous operation of a plywood mill on the site. WRLT and its partners are currently in the process of acquiring parcels associated with the mill, such that fisheries habitat can be reestablished on the subject property, and this habitat can be reconnected to the creek's forested headwaters (WRLT n.d.).

Stakeholders for this project include the WRLT, Elk River Partners, LLC (ERP), JJW Sustainable Land Trust, LLC (JJW), and the Oregon Department of Environmental Quality (Oregon DEQ). As discussed below, ERP and JJW share ownership and/or control of the various parcels that make up the site. These entities are working in partnership with the WRLT and Oregon DEQ toward both habitat restoration at the site and establishing a Prospective Purchaser Agreement that will limit WRLT's liability for environmental cleanup of the properties, once WRLT assumes title to the properties.

This assessment involved sampling surface soil, subsurface soil, groundwater, sediment, and surface water related to specific areas of concern within the study area. Field efforts also included a geophysical survey, Level 1 Ecological Risk Assessment (ERA), and cultural resource monitoring. At each step of the TBA process, the EPA sought input and concurrence from stakeholders. The objective

of this TBA report is to present the results of the site sampling undertaken for site characterization purposes. This report is organized as follows:

- **Section 1 (Introduction):** Authority for performance of this work and summary of report contents.
- **Section 2 (Site Background):** Description of site conditions, history, and site concerns.
- **Section 3 (Recognized Environmental Conditions):** Description of recognized environmental conditions (RECs) investigated for this TBA.
- **Section 4 (Regulatory Standards, Analytical Methods, and Field Investigation Methods):** Discussion of the regulatory standards applied to analytical results, sampling techniques employed, and the field effort approach.
- **Section 5 (Field Investigation Summary):** Summary of TBA sampling work and analytical results.
- **Section 6 (Site Summary and Conclusions):** Summary of TBA findings and related regulatory approaches.
- **Section 6 (References):** List of references cited throughout the text.

2 Site Background

The following sections describe the site location and background, site history, general environmental setting, historical property use, previous investigations, future uses of the property, and the START site visit.

2.1 Site Description

Site Name	Former Western Plywood Cooperative Mill
Site Address	93600 block of Elk River Road Port Orford, OR 97465
Latitude/Longitude	42.769825° North / -124.462174° West
Reference Point for Coordinates	Center of Site
Horizontal Collection Method	Google Earth
Horizontal Reference Datum	World Geodetic System 1984
Legal Description	Township 32 South, Range 15 West, Section 27
Parcel Number	Map 32S15W27, Tax Lots 104, 900, 901, and 902.
Size (in acres)	28.17
Site Owners	Elk River Partners (Tax Lots 104, 900, 901) 3011 NE Hoyt St., Unit A Portland, OR 97232 JJW Sustainable Lands (Tax Lot 902) 5718 Alta Loma Ct. Mount Pleasant, WI 53403

2.2 Site Summary

Port Orford is a coastal town situated on the Pacific Ocean in Curry County, a rural area of southwest Oregon. The town and the site itself are relatively remote, situated approximately 170 miles and more than 3 hours driving distance from Eugene, Oregon (Figure 2-1). The WSPCM site as defined for this project includes five separate tax lots (Tax Lots 104, 900, 901, 902, and 903), which together make up 28.17 acres of this total area, were occupied by the WSPCM (Figures 2-2 and 2-3) (WRLT n.d.; CCA 2020). At the time of this writing, Tax Lots 104, 900, and 901 were owned by ERP, Tax Lot 902 was owned by JJW, and Tax Lot 903 is owned by a separate private party. Once the assessment efforts for this group of parcels are completed, ERP and JJW intend to convey ownership and/or control of their land to WRLT. It should be noted that during the time this project was underway, ERP/WRLT and/or their representatives were in continued discussions with the owner of Tax Lot 903 to arrange for its purchase and/or access; such access was not, however, granted prior to beginning field efforts, and while that parcel remains within the stakeholders' long-term plans for the site, it was not included in the scope of this TBA investigation.

The site is a former plywood manufacturing facility, with the historic mill building occupying portions of four of the five lots listed above. Various mill-related improvements, including wigwam burners, boilers, offices, storage buildings, a fire suppression pond, a log storage pond, and log storage areas, occupied the balance of the mill property (Figures 2-2 and 2-3) (PBS 2017a, 2017b; HAI 2018, 2019b).

Bagley Creek traverses the site in a generally north-to-south direction, flowing onto the site through a culverted channel from the hillsides to the south. In its natural state, Bagley Creek discharged directly to the Elk River, which flows to the north on the eastern side of the site; however, while the WSPCM site operated as a plywood mill, Bagley Creek was significantly altered and used as a water source for the mill's log and fire suppression ponds. The majority of the diking and dams associated with the ponds remain; however, a narrow opening was more recently excavated through the former log pond's northern earthen dam. This alteration was made to help facilitate the passage of water from the ponds and creek to Elk River. Beavers regularly rebuild a dam at this excavated opening, impounding water in the former log pond over the summer months, and functionally disconnecting the creek from Elk River for fish rearing purposes (WRLT n.d.). A second, concrete fortified dam with an intrinsic spillway is located between the former log and fire ponds and remains unaltered from the time of mill operations.

2.3 Site Ownership

As briefly mentioned in the preceding paragraph, the WSPCM comprises five separate tax lots owned by three parties: Tax Lots 104, 901, and 901, which are owned by ERP, and Tax Lot 902, which is owned by JJW. The fifth tax lot (903) is privately owned. To date, both ERP and JJW have been active partners in the WRLT's efforts to assess the potential presence of contamination, with a shared goal of restoring Bagley Creek and surrounding habitat. During the course of this project, site stakeholders were actively negotiating with the private party owner of Tax Lot 903 to either facilitate access to that lot, or arrange for its purchase by parties that support the WRLT's mission. Such an outcome was not achieved in the timeframes associated with this TBA.

The following limited ownership information for Tax Lots 104, 900, and 901 was obtained from previous Phase I ESAs, Preliminary Title Reports attached to the Phase I ESAs, and the TBA request (PBS 2017a, 2017b; HAI 2019b; CCA 2020):

Tax Lot	Owner	Purchase/Sale Year
104	Elk River Partners	2019
	Private Party	Unknown/2019
900	Elk River Partners	2020
	Private Party	Unknown/2020
	Private Party	2005/unknown

Tax Lot	Owner	Purchase/Sale Year
	Private Party	2002/2005
901	Elk River Partners	2019
	Private Party	2013/2019
	Private Party	2006/2013

Based on various letters and other communications obtained from the Curry County Assessor, the property appears to have been subdivided into the five current tax lots in the early to mid-2000s, with Tax Lot 900 being the parent parcel for this subdivision. An exact date for this subdivision could not be discerned from resources that were readily available/reasonably ascertainable at the time of this writing. Based on a Market Value Appeal letter sent to the Curry County Assessor in 1995, Tax Lot 900 had been privately owned since at least May of 1991 (Walker 1995). As this would have predated the mid-2000 subdivision of the site, this individual would have been the previous owner of the entire WSCPM site.

2.4 Environmental Setting

The site is in the alluvial plain of the Elk River, bracketed generally to the north and south by the hillsides of Oregon's coastal range. The alluvial plain materials underlying the site typically comprise mixtures of sand, gravel, and silt (Walker and MacLeod 1991). Based on a review of light detection and ranging (LIDAR) imagery covering the site and vicinity, it appears that the relatively steep slope at the northern margin of the site may represent the northern margins of an ancestral alluvial bench rather than be an artifact of fill imported to the site. This LIDAR image appears to show that this steep slope corresponds with a fairly extensive generally east/west-oriented scarp that extends approximately 3,000 feet west from the site (DOGAMI 2020). While it is likely the surface soils were modified during earth moving activity associated with construction of the historic mill, assuming the site is situated atop such an alluvial bench, it would be reasonable to conclude that much of the soils comprising the site topography may have already been in place prior to mill construction, and not imported as fill during construction.

During subsurface drilling at the site, HAI's observations confirmed such conditions, noting a mixture of sands, silts, and gravel to the full depth of exploration (25 feet below ground surface [bgs]). Groundwater was typically encountered within 10 to 15 feet bgs, exceptions being the areas near the southern and northern margins of the former log pond, where groundwater was encountered approximately 7.5- and 17-feet bgs (respectively). While the groundwater flow direction was not determined, based on topography, Hahn and Associates, Inc. (HAI) inferred that the groundwater flow direction potentially ranged from an easterly to a northwesterly direction, and likely was subject to seasonal variation (HAI 2018).

During the START's 2020 subsurface exploration, similar to HAI's findings, groundwater was encountered at depths of 7 to 15 feet bgs, closer to the ground surface in the southern and eastern portions of the site, and deeper near the northern margins of the former log pond. Groundwater was deepest at the northeast corner of the site, where it was encountered at 23 feet bgs in one boring (SP17GP), and was not encountered within the maximum depth of exploration at a second boring (SP14GP, 24 feet bgs). Soils observed by the START's project geologist during drilling activities were a mix of native alluvial sands, silts, and gravel, with the predominant water-bearing unit comprising a silty gravel underlying a medium sand.

Bagley Creek generally traverses the western portion of the site, feeding and filling the former log pond and former fire suppression pond that had been built as a part of the mill complex. Prior to this construction, Bagley Creek had connected directly to the Elk River, providing prime fish spawning habitat in both the portions of the creek located on the site, and the portions of the creek within the watershed and drainage basins further to the south. Construction of these ponds not only destroyed the onsite spawning grounds, but also severed the connection between Elk River and the upstream forested headwater spawning and rearing habitat. Bagley Creek is one of the two remaining priority tributaries within the Elk River watershed with barriers that prevent upstream salmon passage to spawning habitat (WRLT n.d.).

National Wetlands Inventory maps depicts several wetlands at low spots on the site. These include freshwater emergent and freshwater forest/shrub wetlands within the former log pond, and a freshwater emergent wetland on a portion of Tax Lots 902 and 903. A copy of the Wetland Inventory Map that includes the site is included in Appendix A (USFWS 2020). Those data are also presented on Figure 5 of the Level I ERA (see Appendix E)

Elk River is a federal and state designated Wild and Scenic River, providing habitat for steelhead and the federal-listed endangered Coho salmon. Much of the Elk River watershed is federally owned, with large areas of the U.S. Forest Service–managed river headwaters protected as designated wilderness or late successional reserve. Because of this, water quality in the river is generally good, with tree canopy helping to minimize the time duration of transient, high turbidity events. Nevertheless, addressing the lack of floodplain and the high-quality tributary channel structure is a key goal in proposed fish conservation and habitat restoration in the Elk River, of which the WSPCM is a part (WRLT n.d.).

2.5 Historical Property Use

The mill property was vacant and undeveloped land prior to construction of the mill. In 1940, the site was forested. By 1951 the site was cleared of most vegetation, and from the 1950s through 1975 it was developed and operated as a plywood mill. The exact date of the mill's construction is uncertain, and the mill was destroyed by fire in 1976. By 1980, the mill structures had mostly been

removed, and by 2006 the wigwam burners and most of the foundations also had been removed (PBS 2017a, 2017b). While in operation, the mill appears to have occupied a single parcel of land; the property appears to have been subdivided into the current five individual tax lots after the mill's closure.

As a component of the background review, file records for Tax Lot 900 were obtained from the Curry County Assessor. Those records included a map that details uses of various parts of the old mill (Figure 2-4). Information shown on this map and within other site-related records indicates:

- A stud mill located on the property, appearing to confirm information that PBS Engineering and Environmental (PBS) obtained during interviews for their 2017 Phase I ESA (discussed in Section 2.6.2). The stud mill was in the structure located northwest of the plywood mill. Although it is not known whether such activity occurred on the site, mills commonly treated lumber, or studs, using pentachlorophenol (PCP) for anti-sap stain purposes.
- The location of a large transformer, compressor room, and several shops on the plywood mill property, generally on the west side of building.
- The location of an oil house on the north side of the plywood mill, in the area where the individual interviewed as part of the 2017 Phase I ESAs (discussed in Sections 2.6.2 and 2.6.3) recalled underground storage tanks (USTs). This is also in the vicinity of the potential fueling area discussed in the Phase II ESA report (see Section 2.6.4). The oil house would be a likely location for such USTs.
- The location of three tanks amidst a segment of 8-inch transite pipes. Transite is a trade name for asbestos-containing, cementitious pipes that were commonly used in water/sewer conveyances. Based on the location of both the pipes and tanks, the map indicates that a deluge (a type of sprinkler system) was located in this area, and that the accompanying Assessor notes/memo discusses 8-inch sprinkler system mains attaching to smaller diameter interior piping. These pipes and tanks may be associated with the building's sprinkler system. The map does not, however, definitively state the function of these tanks. The three aboveground storage tanks (ASTs) visible at the mapped tank location in a 1973-dated oblique aerial photograph of the site likely represent the tanks depicted on the Assessor map. The 1973 oblique aerial photograph was provided by project stakeholders at the outset of this project and is included in Appendix A.
- Operational details for the former mill interior, such as the locations of the debarker, lathes, plywood factory, offices, and dryers.

2.5.1 Aerial Photographs

As part of the previous Phase I ESAs performed on the property, assessors undertook a review of historic aerial photos. The general features and developmental changes noted in those review efforts were captured in the

introductory paragraph to Section 2.2.3 of this document. In addition to earlier reviews included in those previous Phase I ESAs, the START was provided four oblique historic aerial photographs from 1971, 1973, 1975, and 1976, which span the final years that the mill was in operation. Copies of these photos are included in Appendix A.

The 1971 photograph only captures a portion of the mill site, and, based on the amount of timber present on the upland storage area and within the former log pond, these photographs show mill production winding down. The tanks east of the mill are first visible in 1973, as is the stud mill building and both wigwam burners. By 1975, the northern wigwam burner appears to have been removed. Debris and exposed soils are visible in the area of both the former northern and remaining southern burner, and only a handful of rows of timber are stored on the site. By 1976, although the buildings present in 1975 remain, no timber is stored on the site and operations appear to have ceased.

2.6 Previous Investigations

A number of investigations of the site have occurred. Previous sampling at the site has revealed the presence of various organic and inorganic contaminants in soil and groundwater at concentrations exceeding applicable Oregon human exposure related Risk-Based Concentrations (RBCs) and Ecological Screening Level Values (SLVs).

2.6.1 Site Assessment Review Notice – Oregon Department of Environmental Quality (1996)

In December of 1996, the Oregon DEQ informed the owner of the WSPCM property that they were undertaking a preliminary review of the site (Oregon DEQ 1996). This review appeared to largely rely on facility inspection summary letter prepared by the Oregon State Game Commission (OGC) in 1972. After receiving a pollution report notification, an OGC staff member inspected the WSPCM facility on November 22, 1972. The inspection followed up on anecdotal reports of a glue spill that had occurred at the facility two days prior to the inspection. The anecdotal report indicated that the spill had the potential to discharge to the Elk River. While the inspector confirmed that a glue spill had occurred at the facility, and noted several other relatively minor spill problems, the inspector did not surmise that the spill had resulted in discharge of pollutants to the Elk River. This was based on observations of the mill's internal drain network, the drain-related storage tanks, and evidence of recent operational practices, in that the valve that would allow discharge to the river was closed and did not appear to have been recently opened at the time of the inspection (OGC 1972). Apart from sending the notification letter to the property owner in December of 1996, the Oregon DEQ does not appear to have undertaken further assessment of the site at that time (Oregon DEQ 1996).

2.6.2 Phase I Environmental Site Assessment, Fire Pond Parcel – PBS Engineering and Environmental (2017a)

In July 2017, PBS performed the first of two Phase I ESAs on portions of the former WSPCM property to WRLT. This effort focused on Tax Lot 900 (referred to as the Fire Pond Parcel [FPP]), located on the southwest corner of the former mill property (Figures 2-2 and 2-3). Mill-related development on this property at the time of this Phase I ESA included the fire suppression pond, a small concrete pumphouse adjacent to the pond, and what was reported as a maintenance building. The site also had a shallow domestic water well, which was installed proximal to the maintenance building in 2006 by a previous owner. Although interviews conducted during the Phase I ESA effort revealed the potential presence of diesel and gasoline USTs on the mill property as a whole, it did not appear that those tanks had been located on the portion of the mill that became current day Tax Lot 900. Interviewees also noted that during operations, the mill primarily made plywood, although 2- by-4-inch dimensional lumber was also reportedly produced (PBS 2017a).

Based on their review, PBS identified the glue spill outlined in the Oregon DEQ's previously discussed December 1996 letter as a Recognized Environmental Condition (REC) for the site. The potential for former fire suppression pond sediment impacts from surface water runoff from the site to the pond, and soil and groundwater impacts from operations at the maintenance area, were also listed as conditions of potential concern. PBS recommended that follow-on testing of sediments in the former fire suppression pond, soils near the maintenance building, and groundwater from the onsite well be conducted (PBS 2017a).

2.6.3 Phase I ESA, Log Pond Parcel – PBS (2017b):

In conjunction with their FPP Phase I ESA, PBS also drafted a separate Phase I ESA covering Tax Lot 901 (Log Pond Parcel), located to the north of and adjacent to the FPP (Figures 2-2 and 2-3). The only mill-related features PBS noted during their reconnaissance of this parcel were the former log pond and various concrete structures that included a floor slab and other large equipment/structural supports. The former log pond was dry, but dense vegetation limited access for viewing it. PBS indicated that portions of Tax Lot 901 appeared to have been used for lumber storage, with the mill's power plant or furnace building also located on this parcel. Other than a very small portion of the mill's south/southwest corner, the footprint of the actual mill building did not extend onto this parcel (PBS 2017b).

This report came to generally similar conclusions as provided in the FPP Phase I ESA. Namely, PBS again identified the glue spill as a REC for the site, with the potential for sediment impacts in the former log pond from contaminants transported by surface water runoff. Potential contaminants included glues, petroleum products, wood-treatment chemicals, and heavy metals. The potential for UST-related impacts in this area was unknown. PBS recommended additional

sampling and testing at/within the former log pond and adjacent areas (PBS 2017b).

Readers of this report should note that a comparison of the interview sections from the Phase I ESAs performed by PBS on Tax Lots 900 and 901 showed the text describing these interviews to be identical in both reports. This becomes pertinent with respect to the discussion of the USTs and fueling infrastructure, which are described in both reports as being "on the east adjacent parcel from the subject property" with "the tanks and pumps...on the northeast side of the plywood mill structure." Although both statements could be true for Tax Lot 901, unless there were more than one set of tanks and pumps at the site, only one statement could be true for Tax Lot 900. It is possible that this incongruity is the result of an error, resulting from text written for one report being copied and pasted to the next report without thorough editing. Otherwise, the referenced relative directions from Tax Lots 900 and 901 to the UST area are difficult to reconcile with the actual site layout. Additional discussion relevant to this observation is included in Section 2.6.7 of this report.

2.6.4 Draft Phase II ESA, Log Pond Parcel and Tax Lot 104 – Hahn and Associates, Inc. (2018):

On December 18, 2018, HAI presented WRLT and ERP with a draft report summarizing the finding of their Phase II ESA of Tax Lots 901 and 104. This work appears to have been at least partially informed by the PBS Phase I ESAs summarized above, along with limited supplemental research conducted by HAI. HAI's Phase II ESA included targeted geophysical survey work, advancing 16 borings for soil and groundwater sampling, field screening, and the collection of various discrete and composite surface soil and sediment samples (Figure 2-5) (HAI 2018).

HAI's pre-sampling research clarified that what PBS had thought was a "power plant or furnace building" had actually been a boiler house, and identified what may have been a historic office building to the south/southwest of the boiler house. HAI also noted that a portion of the plywood mill that had been used for debarking along with two wigwam burners were present on Tax Lot 104 (HAI 2018).

HAI's geophysical subcontractor assessed three areas of the site: the areas surrounding the potential former office (Area 1), the area surrounding the former boiler house (Area 2), and the area generally north of the mill that included both of the two former wigwam burners (Area 3). Four subsurface anomalies were identified: one potential UST near the former office, one anomaly beneath the southern former wigwam burner footprint, one potential UST on the southern margin of Area 3 near the plywood mill footprint, and one anomaly within the footprint of the former boiler house that was interpreted as a potential sump or pit (Figures 2-3 and 2-5) (HAI 2018).

During the field event, HAI collected six surface soil samples (three 3-point composite samples, and three discrete samples) ,all within 1-foot bgs. Twelve of the subsurface borings were advanced to approximately 15 feet bgs. The remaining four borings were advanced to either 20 feet bgs (three borings) or 25 feet bgs (one boring). All borings were advanced to the top of the shallow groundwater table. At least one boring was placed next to three of the four subsurface geophysical anomalies. Due to a field error, the fourth boring was placed near a piece of buried scrap metal near the former office building; HAI had intended to place the boring near the potential UST in this area (Figure 2-5) (HAI 2018).

HAI selected a total of 10 soil (six surface and four subsurface) and nine groundwater samples for fixed laboratory analysis based on field screening. Samples were submitted in varying combinations for analyses of hydrocarbon identification, total petroleum hydrocarbons (TPH) as gasoline (TPH-Gx), TPH as diesel to heavy-oil (TPH-Dx), formaldehyde, polychlorinated biphenyls (PCBs), phenols, polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and metals (HAI 2018).

Oil-range TPH and six metals (antimony, cadmium, copper, lead, mercury, and zinc) were identified in soil at concentrations that would preclude some soils from being used as “clean fill.” Soils sampled near the southern wigwam burner contained four of these metals (copper, lead, mercury, and zinc) at concentrations above Oregon SLVs for terrestrial ecological receptors. Gasoline and diesel range TPH, PCP, and formaldehyde were detected in one or more groundwater sample at concentrations exceeding Oregon RBCs for drinking water (HAI 2018).

A groundwater sample collected within the footprint of the southern wigwam burner contained gasoline and diesel range TPH at concentrations in excess of SLVs. As neither of these TPH products were noted during field screening of, or in a sample submitted from, overlying soils at this location, a separate upgradient source of this contamination may be indicated. Additionally, of the eight groundwater samples analyzed for PCP, this constituent was detected in sample P-1 only, which was collected near the former office building (Figure 2-5). PCP was not detected in any of the six surface soil samples analyzed for this constituent. None of the subsurface soil samples collected from the site were analyzed for PCP (HAI 2018).

Finally, formaldehyde was detected in every groundwater sample collected during the study. Formaldehyde concentrations in seven of these samples were at or below 7.4 parts per billion (ppb). The eighth sample, collected from beneath the northern wigwam burner, had the highest formaldehyde concentration (37 ppb). However, though all detections were above the RBC for tap water (0.43 ppb), concentrations were well below the ecological SLV for aquatic surface water receptors of 184,000 ppb (HAI 2018).

2.6.5 Draft Dioxin Results, Log Pond Parcel and Tax Lot 104 – Hahn and Associates, Inc. (2019a):

In January of 2019, HAI returned to the site to collect additional soil samples for dioxin and furan analysis (Figure 2-5). These supplemental samples appear to have been collected in response to a request by the Oregon DEQ after PCP was detected at the site; dioxins/furans can be an impurity/byproduct in the PCP manufacturing process. Samples were collected from a total of eight locations (SS-1 through SS-8), including one each within the two former wigwam burners, one sample from within limits of a historic debris pile north of the wigwam burners, one sample near the former office, one sample near the boiler house, and three generally along the earthen dam/dike on the northern side of the former log pond (HAI 2019a).

While dioxins were detected in all eight of these samples, only the calculated dioxin toxicity equivalent quotient (TEQ) value for the four northern-most samples exceeded the SLV value for freshwater sediment (SS-1, SS-2, SS-3, and SS-8); dioxin concentrations in two of these samples also exceeded the terrestrial ecology SLV value for bird exposure to contaminated soil (SS-2 and SS-8). Five of the TEQ values exceeded the residential soil RBC (SS-1, SS-2, SS-3, SS-6, and SS-8). The relative percentage of individual dioxin/furan congeners in seven of the eight samples appears to indicate a similar dioxin/furan source; the one non-conforming sample was collected within the footprint of the southern wigwam burner, potentially indicating dioxin/furans in this area being formed through differing processes or from different sources than at other locations on the site (HAI 2019a).

2.6.6 Phase I ESA, Tax Lots 104 and 901, Elk River Road – Hahn and Associates, Inc. (2019b):

In March of 2019, HAI presented WRLT and ERP with a Phase I ESA of Tax Lots 104 and 901. The findings from this Phase I ESA were similar to what was included in earlier Phase I ESA work, with HAI supplementing the previous research with an interview of Mr. Dennis Dougherty, a previous mill employee during the summers of 1969, 1970, and 1971. While working at the mill, Mr. Dougherty recalled:

- A ring debarker, millwright shop, and boiler house had been located southeast of the former log pond;
- The mill's glue tanks were located adjacent to the ring debarker;
- Fuel for the boiler house consisted of sawdust and scrap wood;
- Operations inside of the mill building included a peeler lathe located on the northwest corner of the building that fed a green chain and dry chain, veneer clipper, glue press, and drying/storage area, all of which were located in the eastern portion of the mill building; and
- Wigwam burners were typically used to burn excess bark and mill scraps; however, household garbage was occasionally put into the burners.

Contrary to information obtained in PBS's 2017 Phase I ESA-associated interview(s), this employee had no recollection of dimensional lumber production at the mill and was not aware of USTs, ASTs, or use of wood treatment chemicals during operations at the site.

HAI also identified two additional areas of potential waste and/or debris disposal. These included an area of debris observed in aerial photographs from 1965 and 1970 generally north of the southern wigwam burner, and what appeared to be a second area of debris disposal southeast of the mill, observed on Tax Lot 902 in a 1970-dated aerial photograph. During their site visit, HAI staff observed metallic debris and an uneven, hummocky surface in the area north of the southern wigwam burner (HAI 2019b).

The past presence of the plywood mill at the site was cited as a general REC for the site, for which HAI recommended the following work:

- Sampling and testing to better define the source and extent of dioxin impacted soil;
- Additional review of potential end-uses for groundwater at the site to determine whether consumption is a viable pathway and whether groundwater consumption–related SLVs are an appropriate standard to use during environmental assessment of the site;
- Additional subsurface exploration to establish whether subsurface geophysical anomalies are in fact tanks; and
- Additional sampling and testing proximal to the potential UST in Area 1 that had been inadvertently missed during their 2018 Phase II ESA.

Finally, HAI advised that during any further redevelopment or restoration activities at the site, soils near the southern wigwam burner will likely require remediation, and based on analysis performed to date, some soils on the site may not be eligible for reuse as clean fill (HAI 2019b).

2.6.7 Phase I ESA, 93639 Elk River Road and Tax Lot 902, HAI (2020)

On July 6, 2020, HAI presented ERP and JJW with a Phase I ESA of the property located at 93639 Elk River Road (i.e., Tax Lot 900) and Tax Lot 902. With one principal difference, the findings of this report regarding the history and use of the WSPCM mill as a whole were generally similar to what was included in earlier Phase I ESA work. The reports differed in that HAI concluded that, based on interview information contained in the Phase I ESAs performed by PBS in 2017 as well as review of historic aerial photography covering the site and vicinity, there was a potential for the USTs historically associated with the mill site to have been located on Tax Lot 902 (HAI 2020).

In reviewing conclusions regarding the potential presence of USTs on Tax Lot 902, the duplicative language used by PBS in their Phase I ESAs may have created some confusion regarding potential UST locations. As previously

mentioned, during the START's review of background documents in preparation of the TBA sampling approaches, the Phase I ESAs that PBS prepared for both Tax Lot 900 and 901 were noted to contain identical interview text when describing the location of the USTs. This statement identified "…fuel USTs on the east adjacent parcel from the subject property [with] the tanks and pumps…on the northeast side of the plywood mill structures" (PBS 2017a, 2017b). Given the relative locations of Tax Lots 900 and 901, both of these statements could be true for Tax Lot 901, but not for Tax Lot 900. In follow-on communications, Mr. Dennis Terzian of PBS clarified that for Tax Lot 900, the statement would have more accurately been written by describing the UST as having been northeast of Tax Lot 900 (Terzian 2020).

Regardless, in response to HAI's findings, the START did add the area on Tax Lot 902 where USTs may have been located as a target of field work for this TBA. Additional discussion of those efforts and related findings are included in following subsections.

2.7 Projected/Proposed Site Uses

The WRLT has been working with the various property owners to obtain the mill parcels. After acquisition, WRLT is considering a number of options to restore habitat on the property, including the removal of the former log and fire suppression ponds, the various dams and spillways/weirs that serve as barriers to fish passage, reestablishing the Bagley Creek channel within the ponds, and reconnecting the lower reaches of Bagley Creek to the associated forested headwater habitat. While it is unclear whether public access to the site would be provided in the future, acquisition of Tax Lots 902 and 903 may allow the option to provide such access both to the site and to Elk River shoreline (WRLT n.d.).

This TBA was intended to better define the extent of contamination at the site in a manner that will advance redevelopment goals. Using this information, the creek reestablishment design could be finalized, allowing the selection of an optimized creek channel routing that may avoid areas of concern to the greatest possible extent. If it is not feasible for areas where contamination is identified to be avoided, the reestablishment design could also incorporate remedial work to minimize the risk of mill-related contamination impacting the reestablished creek channel and other habitat (WRLT n.d.).

2.8 START Site Visit

On March 10, 2020, a site visit was conducted at the WSPCM to better understand site conditions, access limitations, and features targeted for investigation. Participants included:

- Max Beeken, WRLT, Conservation Director;
- Matt Swanson, Swanson Ecological Services, Project Manager (PM);
- Anthony Chavez, Oregon DEQ, PM;

- Joy Wolf, JJW, LLC;
- Brandon Perkins, EPA, Task Monitor (TM); and
- Derek Pulvino, WSP, PM.

The site visit included a visual review of select, accessible portions of the site, focusing on areas where previous reviewers had either sampled, or site-specific documents identified potential sources of contamination. Given the presence of gorse, a dense, spiked, invasive, and essentially physically impenetrable vegetation, heavy equipment with a large mower was used to clear the area prior to the site visit to allow access to many of these areas. As the owner of Tax Lot 903 had not provided access to this lot prior to the site visit, the lot had not been cleared for viewing. Observations from the site visit are detailed below, with referenced photographs included in Appendix B:

- The maintenance shed on the southwest corner of Tax Lot 900, west of the former log storage yard (Photo 1), appeared to be used as a workshop. Lumber, a small covered area, a trailer, and a vehicle were all noted outside of the building (Photo 2). A small refuse area that contained vegetative waste (i.e., grass clippings, cut branches, and wood) and a 55-gallon drum used as a burn barrel was noted east of this building (Photo 4). The water supply well recently installed on this property was observed approximately 75 feet east of this building (Photo 3).
- The former fire suppression pond was ringed by the gorse plant; however, mowing performed before the site visit allowed for access to the shoreline during the site visit. Water from Bagley Creek filled this pond through a culvert that discharged to the west/southwest side of the pond. The shoreline within the pond appeared to be relatively steep (Photos 6, 7, and 9). The former pumphouse was observed on the east side of the pond (Photo 5). Although the pumphouse's walls and roof were in generally poor condition, the interior was accessible, and the foundation appeared be in good condition. Several openings were noted in the building floor, likely having functioned as sumps for the fire suppression system's pumps. No equipment remained in the building (Photo 8).
- The dam/dike on the north side of the former fire suppression pond included a concrete, stepped spillway/weir (Photo 10), where water ran from the fire suppression pond into a meandering, potentially remnant channel of Bagley Creek, then to the former log pond (Photo 11). A basic wood truss bridge fabricated with large dimensional lumber crosses the spillway (Photo 10). The pathway crossing this dike and leading to/from the bridge appeared to have been filled with angular, crushed gravel, likely indicating the material to have been sourced offsite.
- Vegetation along the meandering channel between the fire suppression pond and the former log pod included low vines (such as blackberry bushes) and other low understory vegetation beneath a deciduous tree canopy (Photo 11). Where visible, the former log pond sidewalls contained subangular to rounded

material, consistent with an alluvial deposit as mapped in the Elk River valley. As the discharge channel meanders to the standing water within the former log pond, the diking surrounding the pond steepens, and vegetation grows in marshy clumps within the pond (Photo 12). While the shoreline was readily accessible at the time of the site visit, seasonal regrowth of the vegetation around the pond may make future access more challenging.

- Evidence of the historic mill structures was noted closer to the former log pond pool, where various concrete and metal features were observed. These included several concrete foundation footings (Photos 15 and 16) and a large aboveground concrete support near the old office and ring debarker. A concrete retaining wall, along with several large metal column/trussing structures, was noted slightly north of this, where the mill's timber infeed appears to have been located. What appeared to be a large piece of sheet metal was noted within the former log pond offshore from these metal columns (Photo 17).
- A soil stockpile (Photo 14) was noted adjacent to the excavated breach in the northern wall of the former log pond dam/dike (Photo 13). While the onsite representatives could not confirm this to be the case, this stockpile may consist of material excavated from the dam to allow water to drain from the former log pond to Elk River (Photo 24).
- There was no visual evidence of the historic teepee burners. However, site representatives indicated that an area with a thick cover of blackberry bushes and other low brambles was the location of the southern/large teepee burner (Photos 18 and 19). The previously reported areas of fill or "hummocky soil" were not visually obvious during the site visit (Photos 20 through 23).
- As access to the parcel where most of the former plywood mill had been located was not provided prior to the site visit (Tax Lot 903), this area had not been cleared of vegetation for viewing. The former building footprint was completely obscured by a dense canopy of gorse and was neither visible nor accessible.
- The southeast parcel of the site (Tax Lot 902) is enclosed by a wire fence. While most of this parcel is cleared grassland with low wetland and areas of hummocky terrain (Photos 25 and 28), areas of dense, relatively low vegetation are present, partially corresponding to the former plywood mill footprint. What appeared to be a well or cistern used by the former mill was observed on the south side of this vegetation (Photo 26). During the site visit, the owner of the property directed the field reviewers to several pieces of metal in the vegetated area. These appeared to be segments of metal piping or ducting (Photo 27). An additional area of discarded metal, including a small partially buried tank (potentially water or pressure tank) and several metal conduits, was observed in a ravine on the eastern margins of this Tax Lot (Photos 29 through 31).

3 Recognized Environmental Conditions

Based on the information above and other historical site information, the following RECs and data gaps have been identified for this TBA on Tax Lots 900, 901, 902, and 104 of the WSPCM site.

3.1 Potential Impacts from Historic Operational Practices

During their review of the site, PBS noted that while no specific spills or releases had been identified as potential sources beyond the glue spill, both soils and sediments on the site had the potential to be impacted by releases of contaminants and their transport by surface water flows. Releases to soils may also present a risk of impact to groundwater. Review of other maps and historic resources documented the past presence of transformers, shop spaces, and a stud mill on the property.

Given the past operations at the site, as well as the results of recent environmental testing, sources of contamination could include industrial machinery and vehicles operated onsite, leaks or spills from oil-filled transformers or of maintenance shop-related materials stored in containers, and possible releases of wood treatment chemicals such as PCP. Potential contaminants associated with such past operations include metals (including mercury); TPH-Dx; TPH-Gx; semivolatile organic compounds (SVOCs) including PCP and PAHs; PCBs; and the TPH-Gx associated VOCs benzene, toluene, ethylbenzene, and xylene (BTEX).

3.2 Surface Soil Impacts and the Past Presence of Wigwam Burners

Two wigwam burners were present on the north side of the mill. These were reportedly used by the mill to burn wood waste; however, household waste was also reportedly burned in these structures. It is not known where or how ash or other combustion byproducts generated in these burners were disposed, or what other types of mill-related activity may have occurred in this northern portion of the site. Surface soils have been sampled from multiple locations both within and proximal to these burners, and from the clearing north of the former mill building more generally (Figure 2-5).

- Surface soil samples collected from the southern wigwam burner contained dioxins/furans, as well as copper, lead, and mercury at concentrations above ecological SLVs. A boring placed in this burner footprint adjacent to a “subsurface anomaly” identified diesel- and gasoline-range petroleum products in groundwater at concentrations in excess of RBCs. Petroleum was not detected in the one subsurface soil sample collected from this boring, likely indicating that groundwater contamination originated from a separate,

presumably upgradient source, such as the oil house, fueling area, or other mill-related equipment and storage areas.

- Surface soil from the northern burner was only analyzed for dioxins/furans, which were present at concentrations below the ecological SLV. Neither subsurface soil nor groundwater were sampled at this location.
- A third surface soil sample collected from the vicinity of the northern dike/wall of the former log pond had the highest dioxins/furans concentrations of any sample collected from the site, exceeding the ecological SLVs. The source of this contamination is not clear.

Elevated concentrations of dioxins/furans and metals in surface soils from the southern wigwam burner are likely the result of past waste disposal and burning. The source of the petroleum in groundwater is unknown. Potential contaminants of concern in these areas include metals (including mercury), TPH-Dx, TPH-Gx, dioxins/furans, and the petroleum-associated BTEX compounds (i.e., VOCs).

3.3 Presence of Multiple Subsurface Anomalies

During work at the site, HAI's geophysical contractor identified multiple "subsurface anomalies" at the site, three of which may have been USTs, though this has not been confirmed. Borings were placed next to two of the anomalies, including the one within the southern wigwam burner footprint. While field screening did not indicate the potential presence of contaminants proximal to the second anomaly, none of the samples from these borings were submitted for fixed laboratory analyses. Due to a field oversight, a boring was not advanced adjacent to the southernmost anomaly; for this reason, the environmental conditions at this location are unknown. Since the subsurface anomalies have not yet been viewed to determine what they are, it is difficult to limit the list of potentially associated contaminants of concern. Given the use of the site and the possibility that some anomalies may be USTs, contaminants of concern are assumed to include metals (including mercury), TPH-Dx, TPH-Gx, the petroleum-associated BTEX compounds (i.e., VOCs), and SVOCs (including PAHs).

3.4 Potential Presence of Fill and/or Buried Debris

During review of historic aerial photographs, HAI observed what they interpreted as a potential area of debris disposal east of the mill. During the START site visit, scattered debris was observed on Tax Lot 902 east of the former mill, including partially buried debris that included a small tank in the ravine on eastern margin of this property. The full extent of areas impacted by such disposal practices, and the materials potentially buried, is not known. Potential contaminants of concern associated with such practices are assumed to include metals (including mercury), TPH-Dx, TPH-Gx, SVOCs (including PAHs), and the petroleum-associated BTEX compounds (i.e., VOCs).

3.5 Potential Environmental Concerns-Tax Lot 903

Although Tax Lot 903 was not viewed during the site visit, a review of available reports and other site-specific documents revealed several RECs and data gaps associated with this parcel. ERP and WRLT are in discussions with the owner of this property regarding its purchase. As this transaction had not been completed and access to that area had not been otherwise secured by the time of the field work performed for this TBA, no sampling or testing was performed on this lot. However, background and historic research undertaken while preparing the sampling approach for this TBA did include Tax Lot 903; RECs identified on this lot are summarized below.

- **Historic Presence of USTs:** A site map obtained during this TBA depicted an "oil house" on the north side of the mill, a feature that may be associated with USTs. This location may be the same as the UST and/or fueling area described to previous site reviewers during a Phase I ESA interview. Potential contaminants associated with fuel oil USTs include metals (including lead), TPH-Dx, TPH-Gx, SVOCs (including PAHs), and the petroleum-associated BTEX compounds (i.e., VOCs).
- **Presence of Tanks of an Unknown Use:** Assessor's records include a map that depicts several tanks on the east side of the former plywood mill building where ASTs are visible in a historic aerial photograph. While these tanks may have been associated with the building's sprinkler system, such a connection has not been well established. Given the past use of the site, it is possible that tanks may have been associated with one of the many processes employed at the mill, including storage of fuel, glues, or treatment compounds. Potential contaminants of concern associated with mill-related practices are assumed to include metals (including mercury), TPH-Dx, TPH-Gx, SVOCs (including PAHs), dioxins/furans, and the petroleum-associated BTEX compounds (i.e., VOCs)**.**

At such time as site stakeholders are afforded access to or obtain control of Tax Lot 903, further investigation of these conditions is recommended.

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4 Regulatory Standards, Analytical Methods, and Field Investigation Methods

WSP conducted field sampling at the WSPCM site from September 9, 2020, to September 15, 2020. Fieldwork was conducted in coordination with WRLT, ERP, JJW, Oregon DEQ, EPA, the Coquille Tribe of Indians Tribal Historic Preservation Office (THPO), and the Oregon State Historic Preservation Office (SHPO), and other project stakeholders. The following subsections describe the expected contaminants at the site, the regulatory standards applied, and the types of sampling, analysis, and measurements that were conducted. Samples were collected in accordance with an approved sampling and quality assurance plan (SQAP; E & E 2020). When deviations from the SQAP were required, they were noted in the field logbook, recorded on the sample plan alteration form (Appendix C), and approved by the EPA TM. Deviations from the SQAP are also detailed within the body of this TBA report as applicable. Photographic documentation of the sample collection event is provided in Appendix B.

4.1 Potential Site Contaminants

As detailed in Section 3, potential sources of contamination and the associated RECs at the property are related to the past uses of and operations at the site. These include operation of the former plywood mill, the presence of related equipment, maintenance areas, utilities, and wigwam burners, potential use of fill from undocumented sources, and the potential past use of wood-treating compounds on the site. Contaminants related to these historic practices include metals (including mercury), TPH-Dx, TPH-Gx, SVOCs (including PAHs and PCP), PCBs, petroleum-associated BTEX products (i.e., VOCs), formaldehyde, and dioxins/furans.

Refer to Section 3 for additional context regarding past operational practices and how they relate to specific potential contamination.

4.2 Regulatory Standards

Soil and groundwater sample results are compared to a combination of regulatory and RBCs and SLVs established by the Oregon DEQ. Regulatory standards were selected in consideration of the potential for receptors to be exposed to contamination in surface soils (i.e., up to 3 feet bgs), exposure to subsurface soils as a result of future excavation and grading work (i.e., future excavation exposing soils that may currently be at depths greater than 3 feet bgs), and potential future consumption of groundwater, as well as the proposed habitat restoration efforts at the site.

More specifically, although residential use of the site is not proposed, analytical data were compared to the Oregon DEQ's residential RBCs. The residential RBCs

represent the agency's most conservative human-health-based benchmark values. These values are intended to be protective where individuals may be exposed to a wide range of potential contaminants through direct contact, in scenarios where more frequent contact may be expected. When compliance with the residential values can be demonstrated, the greatest number of reuse options are available. Given that a groundwater well is present on Tax Lot 900 that draws from the shallow aquifer, soil RBCs promulgated to be protective of contaminants leaching from soils to groundwater have also been included. Soil sample results were also compared to the Oregon DEQ's Clean Fill contaminant screening levels; compliance with these screening levels is one of the threshold values that need to be met before the Oregon DEQ will allow excavated soils to be reused as clean fill material. The reader should note, however, that in the discussion of analytical result in the text that follows, these Clean Fill SLVs have been grouped with other RBCs and presented as the most conservative RBC (as applicable).

To provide additional context for metals concentrations detected in soils at the site, the soil sample analysis summary tables also include background metals concentration data. The provided value is the *Regional Default Background Concentrations for Metals in Soils*, as promulgated by the Oregon DEQ for locations within the Klamath Mountains region. The Oregon DEQ uses these background values to help determine whether cleanup of soils that include metals at concentrations above RBC values may in fact be warranted (Oregon DEQ 2018).

In accordance with Oregon DEQ guidance, the human health toxicity of PAHs (i.e., benzo(a) anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chrysene; dibenzo(a,h)anthracene; and indeno(1,2,3-cd)pyrene), and for dioxins/furans (i.e., polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans), was also calculated for each soil sample submitted for PAH and dioxin/furan analysis (Oregon DEQ 2010). This calculation used toxicity equivalent factors to derive TEQ values. In performing these calculations, different approaches were taken to estimate the toxicity of individual PAH and dioxin/furan constituents that were not detected by the laboratory in a given sample. In the case of PAHs, analytes that were not detected were conservatively assumed to be present in the sample at analyte-specific method detection limits (MDLs). As nearly 97.5% of the PAH constituents were not detected in Incremental Sampling Method (ISM) samples, TEQ values were not calculated for these sample/media. In the case of dioxins/furans, the TEQ for all grab subsurface samples was calculated by providing a value of zero for analytes that were not present above the MDL. Dioxin/furan TEQ values for ISM samples were calculated using both approaches.

As an additional point of comparison, and in consideration of the habitat restoration activities at the site, analytical results for sediment and surface water were compared to the Level II SLVs contained in Oregon DEQ's *Guidance for*

Ecological Risk Assessment (Oregon DEQ 1998). Analytical results for soils were compared to values included in Oregon DEQ's more recently updated *Conducting Ecological Risk Assessments* document (Oregon DEQ 2020). These Level II SLVs and Ecological RBCs are used to identify contaminant concentrations that present negligible risk for adverse health outcomes for various terrestrial and aquatic receptors, including plants, invertebrates, birds, mammals, and fish species. It should be noted that tables that compare analytical results to these Ecological SLVs/RBCs are included as a part of the Level I ERA, attached to this TBA as Appendix E.

Given the presence of the shallow well on Tax Lot 900, the residential groundwater RBCs were used given the potential for individuals to be exposed to groundwater contaminants by inhalation or ingestion of tap water.

Table 4-1 summarizes all the values listed above, including the residential soil and groundwater RBCs, Clean Fill screening values and the most conservative (i.e., lowest) Level II RBC or SLV available for a given constituent in a given media. This table also outlines the quantitation limits associated with each of the analytes included in the selected laboratory analysis groups.

As indicated in Table 4-1, some quantitation/reporting limits were not sufficiently low enough to meet criteria values using standard analytical methods. However, the best available technology was used for laboratory analysis. In accordance with EPA Contract Laboratory Program (CLP) analytical scopes, detected results were reported at or above the Contract Required Quantitation Limit (CRQL), or in the case of data furnished by the EPA Region 10 Manchester Environmental Laboratory (MEL) and the START subcontracted laboratory, and method reporting limit (MRL). It should be noted that, in nearly all cases where analytes have criteria values below the CRQL or MRL, the criteria values are very close to the CRQL/MRL, or the analyte itself is not a primary contaminant of concern within the analytical suite. For these reasons, modified detection limits were not requested under this TBA.

4.3 Analytical Methods

A total of 125 soil, sediment, and water samples, including eight quality assurance/quality control (QA/QC) samples, were collected during this TBA and were submitted for fixed laboratory analysis (Table 4-2). The samples were analyzed in varying combinations for Target Analyte List (TAL) metals, including mercury; SVOCs, including PAHs and PCP; PCBs, VOCs, Total Organic Carbon (TOC); dioxins/furans; TPH-Dx; TPH-Gx; and formaldehyde.

Copies of the QA/QC and data validation memoranda are provided in Appendix J. The following samples were submitted to fixed laboratories for analysis:

Grab Soil, Sediment, and Water Samples:

- **Metals including Mercury**. Sixty-one soil/sediment samples, 19 dissolved groundwater, four dissolved surface water, four total surface water, and five QA/QC samples were submitted to ChemTech Consulting Group in Mountainside, New Jersey, an EPA CLP laboratory, for total metals including mercury analysis using CLP statement of work (SOW) ISM02.4.
- **SVOCs by Select Ion Monitoring (SIM).** Sixty-one soil/sediment samples, 14 groundwater, four surface water samples, and five QA/QC samples were submitted to PACE Analytical Services in West Columbia, South Carolina, an EPA CLP laboratory, for SVOCs including PAHs and PCP under CLP SOW SOM02.4. Samples were analyzed using SIM in an effort to help achieve regulatory compliant detection limits.
- **PCBs:** Two soil samples, one groundwater sample, and two QA/QC samples were submitted for PCB analysis using CLP SOW SOM02.4. The samples were submitted to PACE Analytical Services in West Columbia, South Carolina, an EPA CLP laboratory.
- **VOCs.** Thirty-seven soil samples, 15 groundwater samples, and seven QA/QC samples were submitted to PACE Analytical Services in West Columbia, South Carolina, an EPA CLP laboratory, for VOC analysis under CLP SOW SOM02.4.
- **TOC.** Three soil and nine sediment samples were submitted to the EPA MEL in Port Orchard, Washington, for TOC analysis using EPA SW-846 Method 9060.
- **TPH-Dx**. Thirty-nine soil, 16 water, and four QA/QC samples were submitted to the EPA MEL in Port Orchard, Washington, for TPH-Dx analysis using Northwest TPH-Dx protocols. Samples analyzed for TPH-Dx were subjected to silica gel cleanup. While all soil samples were analyzed both with and without silica gel cleanup, the summary tables only present the silica gel cleanup results.
- **TPH-Gx:** Thirty-seven soil, 15 groundwater, and seven QA/QC samples were submitted to the EPA MEL in Port Orchard, Washington, for TPH-Gx analysis using Northwest TPH-Gx protocols.
- **Dioxins/Furans:** Forty-four soil, 14 groundwater, and four QA/QC samples were submitted to Frontier Analytical Laboratory, an EPA CLP laboratory located in El Dorado Hills, California, for dioxins/furans analysis using CLP SOW HRSM01.2. The reader should note that CLP SOWs detail analytical methods as well as contractual and technical requirements for the laboratories performing the analyses; in the case of this SOW, analysis for dioxins/furans are performed in accordance with EPA SW-846 Method 8290.
- **Formaldehyde:** Two water samples were submitted to ALS **Environmental**, a START-subcontracted laboratory, in Kelso, Washington, for formaldehyde analysis using EPA SW-846 Method 556.

Incremental Sampling Method (ISM) Soil Samples:

- **SVOCs and PAHs by SIM, Metals including Mercury, and Dioxins/Furans.** Ten soil samples were submitted to ALS Environmental, a START-subcontracted laboratory, in Kelso, Washington, for SVOCs including PAHs and PCP by SIM analysis using EPA SW-846 Method 8270; total metals analysis including mercury using EPA SW-846 Methods 3050, 6010, 6020, and 7471; and dioxins/furans analysis using EPA SW-846 Method 8290.
- **TOC:** Three samples were submitted to ALS Laboratories, a START-subcontracted laboratory, in Kelso, Washington, for TOC analysis using EPA SW-846 Method 9060.4.4.

4.4 Sampling Methodologies

This section describes the methodologies used to collected environmental samples under this TBA.

4.4.1 Incremental Sampling Method Surface Soil Sampling

Surface soil ISM sampling was conducted in accordance with *Technical and Regulatory Guidance, Incremental Sampling Methodology* prepared by the Interstate Technology & Regulatory Council (ITRC), Incremental Sampling Methodology Team (ITRC 2012). Prior to the field event, the boundaries of each Decision Unit (DU) were loaded into a global positioning system (GPS) unit for use in locating them in the field. Prior to sampling, each DU was visually inspected, documented on a plan view map, and photographed.

Thirty subsample locations were identified and placed within each DU using a simple random sampling approach as described in the ITRC guidance (ITRC 2012). Subsample locations were randomly generated using ArcGIS, assigned using a buffer zone to ensure that subsample locations did not overlap. The assigned buffer zone varied across DUs depending on the overall size of each DU. If a subsample location was inaccessible because of vegetation, debris, or other physical limitation, the subsample was collected from the nearest available location. As discussed in Section 4.6.3, the boundaries of several DUs were altered in the field based on field observations and limited accessibility.

An equal volume of soil was collected from each subsample location utilizing the Cold Regions Research and Engineering Laboratory Multi Increment Sampling Tool to remove sample cores. For the 30-part ISM samples, a 4-centimeter-diameter by 2.5-centimeter-deep core was used to collect a total of approximately 1.5 kilograms of soil per sample to assess potential surficial impacts. In areas where the core sampling tool could not be used, a dedicated stainless steel spoon was used to remove sample material. When the use of a spoon was required, care was taken to ensure that the soil was removed from the ground in a cylindrical shape. Sample materials were placed directly into a 32-ounce jar and submitted to

the START-subcontracted laboratory for processing in preparation for analysis. The soil's characteristics were recorded at the time of sampling.

Field replicate and field triplicate samples were collected using the same field collection methods as the prime ISM sample. The replicate and triplicate sample locations were chosen by offsetting a specific distance and direction from the original subsample locations. The replicate sample was collected 1 foot north of the prime sample, and the triplicate was collected 1 foot east of prime sample. In accordance with the project SQAP, one field replicate and one field triplicate sample were collected.

4.4.2 Subsurface Soil Sampling

Subsurface soil samples were collected from soil borings using a Geoprobe™ hydraulic direct-push sampling system and from test pits dug with an excavator. Samples collected using the Geoprobe™ were obtained in dedicated polyvinyl chloride sleeves. Samples from test pits were collected from the center of the track hoe bucket, taking care to collect material that had not come in contact with the bucket.

All subsurface soil samples were collected using a dedicated stainless-steel spoon, transferred to dedicated stainless-steel bowls, thoroughly homogenized, and placed into pre-labeled sample containers. The VOC and TPH-Gx aliquots were removed directly from the sampling sleeve or track hoe bucket using 5-gram Core-N-One samplers (or equivalent) prior to homogenization. The VOC and TPH-Gx aliquots were either shipped on the day following sample collection, or field frozen and shipped on dry ice.

4.4.3 Groundwater Sampling

Groundwater samples were collected during this TBA from either temporary monitoring wells installed using the Geoprobe™, or from permanently installed wells located at the site.

4.4.3.1 Temporary Wells

At locations where the sampling objective was to collect soils from the interval above the saturated zone, the soil cores collected during direct push drilling were visually reviewed to identify the top of the groundwater table. At locations where the subsurface materials were sufficiently competent to keep the drilled hole open after core removal, a water level indicator was used to verify the depth to water. For locations where the Geoprobe™ was used to advance a temporary well screen to the water table without first collecting soil cores at the water table, the water table was inferred from water level depth measurements obtained at other nearby groundwater sampling locations.

In all cases where a temporary well was installed, these groundwater samples were collected using non-dedicated SP16 borehole well points (i.e., a groundwater-specific, 1.6-inch outside diameter sampling probe manufactured by

Geoprobe™). The probe was advanced into the groundwater table, then pulled back 4 feet to expose the SP16's integral groundwater sampling screen. As intercepting the groundwater at some locations required the field team to infer the depth to groundwater, the bottom of the SP16 was driven to a depth likely to be at least 4 feet below the top of the water table. This was done to allow the entire screened interval to be in contact with saturated media and maximize the productivity of the temporary well.

Groundwater samples from the temporary wells were collected using dedicated Teflon-lined tubing and a peristaltic pump. Groundwater samples collected with the peristaltic pump were purged using low-flow techniques. To limit sustained drawdown, the purging pump rate was set between 0.1 and 0.5 liters per minute; however, higher pumping rates were used as supported by the formation and well's productivity. After purging the wells for approximately 10 to 15 minutes, water quality parameter measuring began. Groundwater samples from all wells were collected once water quality parameters stabilized to the tolerances outlined below over three consecutive readings spaced at a minimum of 5-minute intervals:

- ± 0.1 standard unit for pH;
- ± 3% for temperature and specific conductance;
- ± 10% for dissolved oxygen; and
- ± 10% for turbidity or less than 10 nephelometric turbidity units.

Samples for total constituents were pumped from the sample tubing directly into the sampling bottle. To collect samples for dissolved constituents, a dedicated, certified clean 0.45-micron inline filter was attached to the end of the sample tubing. After allowing the pump to run for several minutes, water was collected into the sample bottle. Samples were pumped directly into pre-labeled sample containers and preserved as required upon sample collection completion; however, VOC and TPH-Gx samples were collected in pre-preserved vials.

4.4.3.2 Permanent Wells

Two permanent wells are installed at the site. The first is a domestic well, constructed with a downhole pump and a hose spigot installed on aboveground piping extending from the well head. The second is an approximately 30-inch-diameter concrete cased well. This well was completed with concrete casing extending approximately 2 feet above the ground surface and covered by a removable concrete lid. A polyvinyl chloride (PVC) pipe extended from this aboveground casing to an unknown depth below the water surface; however, a pump did not appear to be installed on the well.

The domestic well sample was collected from the water spigot, while the concrete cased well was sampled using dedicated Teflon-lined tubing and a peristaltic pump. Groundwater samples from these wells were collected once water quality

parameters stabilized to the tolerances outlined below over three consecutive readings spaced at a minimum of 5-minute intervals:

- ± 0.1 standard unit for pH;
- ± 3% for temperature and specific conductance;
- ± 10% for dissolved oxygen; and
- ± 10% for turbidity or less than 10 nephelometric turbidity units.

For the domestic well, the START began collecting water quality parameters after approximately 35 gallons of water was discharged from the well and the pump had cycled on and off two times. Samples for total constituents were pumped from the sample tubing/water spigot directly into the sampling bottle. To collect samples for dissolved constituents at the concrete well, a dedicated, certified clean 0.45-micron inline filter was attached to the end of the sample tubing. After allowing the pump to run for several minutes, water was collected in the sample bottle. Samples were collected into pre-labeled sample containers and preserved as required upon sample collection completion; however, VOC and TPH-Gx samples were collected in pre-preserved vials

4.4.4 Surface Sediment Sampling

Grab surface sediment samples were collected from the top 10 centimeters of the sediment, moving from downstream to upstream locations. Where co-located water samples were collected, the corresponding sediment sample was collected as close as practicable to the water sample location, with care taken to collect the surface water sample at a time or from a location that would minimize the introduction of sediment into the surface water sample

To facilitate access to targeted sediment sampling locations within the former log pond, project stakeholders were able to remove the beaver dam from the pond's outlet prior to the sampling event. These sampling locations were accessed on foot, taking care to approach the location in a manner that prevented the field team from walking through the targeted sample collection area. Sediment samples were collected from these locations using dedicated stainless-steel spoons.

Sediment samples from the former fire suppression pond were collected using a non-dedicated stainless bucket hand-auger deployed from a small boat. Given the presence of debris and dense vegetation on the bottom of the pond, sample collection using a Van Veen grab sampler was not practicable. It is estimated that sediment samples from the former fire suppression pond incorporated material from the upper 12 inches of sediment; however, the dense vegetation and soft texture of the bottom sediment made it challenging for the field crew to discern when the sampler had reached the mudline, and hence limit the sampler's vertical penetration. The entire volume of sediment collected with the auger was then used to fill sample aliquots, with the sampler decontaminated between sampling locations.

In all cases, collected sediment sample material was placed into dedicated stainless-steel bowls, thoroughly homogenized, then transferred into pre-labeled containers. During homogenization, unsuitable material (e.g., rocks and organic debris) were removed. After homogenization, each sediment sample was decanted while in the sampling bowl to remove as much free water as possible prior to transferring sample material to pre-labeled sample containers.

4.4.5 Surface Water Sampling

Surface water samples were collected in a downstream to upstream order. These samples were collected using a peristaltic pump with dedicated Teflon-lined tubing, placing the sample tubing inlet at a location that minimized the entrainment of bottom sediment. All samples for dissolved constituents utilized the peristaltic pump and a dedicated 0.45-micron in-line filter. Prior to collecting the dissolved sample, a minimum of three filter-volumes of sample water was pumped through the filter. Samples were preserved as required by the analytical method upon collection.

4.5 Reporting of Sample Results

The analytical results summary tables provided in Section 4 are a condensed version of the laboratory data provided in Appendix J. Omitted data and the presentation of data in the summary tables are as follows:

- Analytes that were not detected, were detected at concentrations below contract required quantitation limits or method reporting limits, or any combination thereof, were omitted from their respective tables. Because PCP is a contaminant of concern at the site, PCP results were not omitted from the soil and groundwater summary tables.
- All detected concentrations are shown in bold type; a non-detect concentration is shown as the sample quantitation or reporting limit reported by the laboratory (e.g., 0.66 U). When an analyte was detected at a concentration above the detection limit, but below the contract-required quantitation limit or method reporting limit, those data were JQ qualified.
- The regulatory standards provided in the first columns of these tables were used as the criteria values to determine whether contamination is present in the samples. JQ qualified data were not compared to the regulatory standards.
    - Analytes detected at concentrations greater than the regulatory criteria values were considered a potential concern, and the concentration is shaded, underlined, and italicized (as applicable).
    - Analytes with no comparative regulatory criteria value are listed in the tables but could not be qualitatively evaluated.

Based on EPA Region 10 policy, evaluation of aluminum, calcium, iron, magnesium, potassium, and sodium (i.e., common earth crust metals) is generally used only in mass tracing, which is beyond the scope of this report. Furthermore,

these analytes are not associated with toxicity to humans under normal circumstances (EPA 1996). For these reasons, these analytes are not evaluated or discussed here, but are provided in the analytical summary tables if they were detected above the instrument detection limit.

4.6 Sampling Design

The TBA sampling strategy was designed to fulfill the project-specific objective of preliminary site characterization by collecting environmental samples at locations that were biased toward the areas most likely to be contaminated.

The following subsections describe the types of sampling, analysis, and measurements that were conducted. Samples were collected in accordance with an approved SQAP (E & E 2020). Photographic documentation of the sample collection event is provided in Appendix B. When deviations from the SQAP were required, they were noted in the field logbook, recorded on the sample plan alteration form (Appendix C), and approved by the EPA TM. Deviations from the SQAP are also detailed below

A total of 117 field samples were collected during the field event (see Figure 4-1). A description of each sample submitted for fixed laboratory analysis is provided in Table 4-2. Table 4-3 summarizes the sample coding system used for formulating sample numbers. For example, the sample number SL02GP01 indicates the following:

- SL for the source code (in this case, for an upland subsurface soil sampling location).
- 02 for the sequential sampling location number a given source (in this case, the second subsurface soil sample).
- GP for the sample collection methodology (in this case, a sample collected using the Geoprobe™).
- 01 for the sample number collected from the given sampling location.

Summaries of analytical data are provided in Tables 4-4 through 4-10 (grab subsurface soil samples), Table 4-11 (groundwater samples), Table 4-12 (ISM surface soil samples), Table 4-13 (sediment samples), and Table 4-14 (surface water samples). Sample locations are depicted on Figure 4-1.

4.6.1 Geophysical Survey

In an attempt to relocate previously identified subsurface anomalies, and to better understand the nature of fill materials and potential for other subsurface anomalies to be present, a geophysical survey was conducted. This work was performed by Geophysical Survey, LLC (GSL) of Kennewick, Washington, on September 9 and 10, 2020. As shown on Figure 4-2, the following areas were targeted by the geophysical survey:

- The three subsurface anomalies identified on Tax Lots 901 and 104 during HAI's 2019 Phase II ESA investigation of the site. While the exact nature of those anomalies was not known, one of the anomalies was identified as a potential UST;
- The northeastern portion of Tax Lot 902 where what appeared to be a pond was identified in historic aerial photography. This area was included in the geophysical survey to better understand whether buried debris or other significant subsurface anomalies may have been used to fill the former pond; and
- A portion of the south-central cleared area of Tax Lot 902 where HAI's 2020 Phase I ESA identified a potential fueling island.

During preparation of the project SQAP, HAI provided the START with a location table that included latitude/longitude coordinates for each of their sampling locations, as well as the three previously identified subsurface anomalies. This coordinate data were provided to GSL prior to the sampling event. GSL used these coordinates during the field event to define the point of origin for geophysical survey grids at the anomaly locations.

Geophysical survey efforts utilized electromagnetic induction (EMI), time domain electromagnetic induction (TDEMI), and ground-penetrating radar (GPR) equipment. This equipment was also used to clear proposed boring locations for utilities, etc. prior to drilling. In some instances, the geophysical contractor recommended that a selected boring location be moved to minimize the chances of encountering refusal.

EMI data was collected using a Geonics EM31 terrain conductivity meter to measure lateral soil conductivity changes, as well as to detect buried metal objects. TDEMI data was collected using a Geonics EM61MK2 to generate and transmit a signal with a known frequency and voltage; the units receiver uses changes in the return signal to infer the presence of buried metal and other materials susceptible to electromagnetic induction, and is able to screen out potential interferences from metal located on the ground surface. GPR data was acquired by a Geophysical Survey Systems, Inc. SIR4000 control unit using a 350-megahertz antenna that was found capable of detecting objects in the upper 10 feet of soil. All survey locations were documented using a Trimble Pro6h GPS with sub-foot level accuracy. EMI and TDEMI data was collected at 1.0-foot intervals on approximately 10- and 5-foot transect spacings. GPR surveys were performed using two orthogonal transects spaced approximately 5 feet apart.

While the survey did not identify any USTs at the site, several subsurface anomalies were identified. These included concrete rebar associated with one approximately 6,000-square-foot and one approximately 700-square-foot buried slabs, a buried metal plate, "linear anomalies" that are likely abandoned buried utilities on Tax Lot 901, and an area revealed to include buried slag/burner clinkers and orange-discolored soil on Tax Lot 104.

Several additional GPR identified anomalies were also present on the northeast portion of Tax Lot 902. Test pits advanced at these two northeastern anomalies encountered additional slag/burner clinker type material and remnants of a crushed 55-gallon drum at one anomaly, and an intact buried 55-gallon drum at the other anomaly. Finally, GSL also identified what was characterized as a minor electromagnetic anomaly in the south-central cleared area of Tax Lot 902 in the vicinity of the structure HAI suspected may be associated with historic USTs and/or fueling activity. A test pit excavated at this location identified buried metal debris (sheet metal, cables, pipe/conduit) and petroleum contaminated soil at the groundwater interface. The findings from these test pit excavations are discussed in further detail within Section 4.6.2 of this report. For additional details with regard to geophysical survey refer to GSL's Geophysical Investigation report, included as Appendix F of this TBA report.

4.6.2 Subsurface Soil and Groundwater Assessment Efforts

To assess potential environmental impacts from historic operational procedures subsurface soil and groundwater samples were collected. These sampling and testing locations were selected based on a review of available site-related records and the findings of previous reports that discussed the subject site. Efforts to address these targeted locations are discussed in the following subsections, grouped by the feature under investigation. Appendix D presents borehole logs depicting the Project Geologist's field observations.

4.6.2.1 Former Maintenance Building

Sampling Efforts

The building located on the southwest corner of the site has been alternately referred to as a maintenance and a storage building. Under the presumption that this building was used for maintenance while the plywood mill was in operation, and given that access to the building interior was not available at the time of the START's site visit in March, two borings were advanced on the east side of the building. In both locations (SL01GP and SL02GP), soils from only the upper 4 feet of the boring were screened and sampled. Following soil sample collection, a temporary well screen was installed at SL01GP and a groundwater sample was collected (SL01GW). The domestic well (EW01) located approximately 40 feet east of the building also was sampled (EW01GW). All soil and groundwater samples collected from this area were analyzed for total metals (dissolved metals for the groundwater samples), SVOCs (including PCP and PAHs), TPH-Gx, TPH-Dx, and the petroleum associated BTEX compounds (i.e., VOCs), with groundwater from EW01 also analyzed for formaldehyde.

No stains, odors, or elevated photoionization detector (PID) screening values were noted in soils collected from these borings. Likewise, apart from some pieces of brick noted in the upper foot of location SL01GP, no debris was noted, and soils were generally characterized as a silt sand.

Findings

Arsenic was the only contaminant of concern detected at a concentration in exceedance of an RBC. While this constituent exceeded the RBC for direct contact, the concentration was below the regional background level (Table 4-4). Arsenic was not present in groundwater at a concentration above the sample quantitation limit (Table 4-11).

4.6.2.2 Former Log Pond Perimeter

Sampling Efforts

The former log pond on the northern portion of the site was constructed utilizing a perimeter berm. No records are presently available regarding the source of material used to create this berm, presenting the possibility that fill may have been imported from an offsite location. To assess the environmental quality of berm-associated material, seven test pits (SL03TP, SL04TP, SL23TP, SL24TP, SL25TP, SL26TP, and SL27TP) were excavated on the perimeter of the berm. Temporary groundwater wells were installed after completion of test pit excavation at three of these test pit locations (SL03TP/TP3GW, SL23TP/TP23GW, and SL25TP/TP25GW). Samples from all of these test pits were analyzed for total metals (dissolved metals for the groundwater samples) and SVOCs (including PCP and PAHs), with samples from test pits SL23TP through SL27TP also analyzed for dioxins/furans. With two exceptions (SL04TP and SL27TP), one shallow subsurface (1 to 3 feet bgs) and one deep subsurface soil (bottom of test pit) sample were collected from each test pit. Due to the dense, gravely nature of material at SL04TP, only a shallow subsurface soil sample was collected from this; at SL27TP, the single sample collected from this location was from the deep interval (7 to 8 feet bgs), at the interface between the overlying gravelly and lower clay/silt layers.

These test pits were excavated to depths of between 4 and 10 feet bgs, terminating when what appeared to be the underlying native or relatively undisturbed soils were encountered. In four of these locations (SL03TP, SLSL25TP, SL26TP, and SL27TP), this underlying material was identified as a clay to silty clay material. Anthropogenic debris was noted in SL24TP and SL25TP that included wood and what appeared to be ash, clinkers, and slag-like material likely associated with the wigwam burners. Test pit SL24TP contained greater amounts of such anthropogenic/industrial debris, with no apparent transition to native soils encountered within the limits of excavation (10 feet bgs).

Findings

Arsenic was the only inorganic contaminant of concern detected at a concentration in exceedance of an RBC. While this constituent exceeded the RBC for direct contact, the concentration was below the regional background level (Table 4-5). Arsenic and manganese were both present in two of the three dissolved groundwater samples (TP23 and TP25) at concentrations in excess of

the drinking water RBC. Both samples were collected from the northern side of the former log pond (Table 4-11).

With respect to organic constituents, dioxins/furans and one SVOC (bis(2-ethylhexyl) phthalate) were present at concentrations above the Oregon DEQ standard for reuse of soil as clean fill. For dioxins/furans, the TEQ values for six samples (SL24TP01, SL24TP02, SL25TP01, SL25TP02, SL26TP01, and SL26TP02) exceeded the Oregon DEQ value for reuse of soils as clean fill, three of these TEQ values also exceeded the RBC for direct contact. The one detection of bis(2-ethylhexyl) phthalate also exceeded this clean fill value. No organic constituents were present in groundwater sampled from this area at concentrations above an RBC (Table 4-5). Based on observations and chemical analytical results, it would appear that dioxin/furan exceedances in these areas generally coincide with the presence of observed anthropogenic debris.

4.6.2.3 PCP in Groundwater and Potential UST

Sampling Efforts

During a previous Phase II ESA investigation at the WSCPM site by HAI, a subsurface anomaly thought to be an abandoned UST was identified on the southeastern portion of Tax Lot 901. Due to a field oversight during HAI's field work, a boring intended to assess the environmental condition of soil proximal to this anomaly was placed at the wrong location, resulting in a data gap. A groundwater sample collected in this area was also revealed to contain relatively elevated concentrations of PCP, the source for which was/is unknown.

To address these unknowns, the geophysical survey first sought to identify the location of the subsurface anomaly. Three borings were then placed bracketing the previously identified subsurface anomaly (SP05GP, SP06GP, and SP07GP). One test pit (SL08TP) was advanced in the middle of the three borings. Two soil samples were collected from each of these borings and the test pit, with groundwater samples collected from each of the three boring locations. All samples from this area were analyzed for total metals (dissolved metals for the groundwater samples), SVOCs (including PCP and PAHs), TPH-Gx, TPH-Dx, the petroleum-associated BTEX compounds (i.e., VOCs), and dioxins/furans.

As discussed in Section 4.6.1, while the geophysical survey efforts undertaken during this study were unable to identify any subsurface anomaly likely to be an abandoned UST, the presence of a large, buried, steel-reinforced concrete foundation was detected. Several "linear anomalies" were also noted running generally northeast/southwest through this area. As shown in Figure 4-3, these subsurface anomalies visually correlated with historic mill features, including demolished buildings and what appears to have been a water line associated with a sprinkler system. Given the slab's presence and the absence of a potential UST, the test pit location was selected to avoid the concrete slab and provide a means of viewing and sampling soil from this general area.

Borings SL05GP and SL07GP were both advanced through a concrete slab located at the surface and approximately 5 feet bgs (respectively). Soils in this area were laterally heterogenous, including sand, silt, gravel and clay, with these soil constituents varying in depth and relative proportion between locations. No PID detections, odors, or staining was noted in any of these borings, and, excluding the concrete slab, no anthropogenic debris was encountered. Soils observed while excavating test pit SL08TP conformed with what was observed in borings with no obvious fill/native soil contact present, and the field staff noting the material to be consistent with an alluvial type deposit.

Findings

Arsenic was the only inorganic contaminant of concern detected at a concentration in exceedance of an RBC. While this constituent exceeded the RBC for direct contact, the concentration was below the regional background level (Table 4-6). Manganese was present in the three dissolved groundwater samples from this area at concentrations in excess of the drinking water RBC (Table 4-11).

With respect to organic constituents, dioxins/furans and one VOC (benzene) were present in soil at concentrations above an RBC or clean fill screening level value. For dioxins/furans, the TEQ values for four samples (SL06GP01, SL06GP02, SL07GP01, and SL08TP01) exceeded the Oregon DEQ value for reuse of soils as clean fill. Two of these TEQ values also exceeded the RBC for direct contact (SL06GP01 and SL08TP01). The one detection of benzene (SL07GP01) exceeded the RBC for protection of groundwater quality (Table 4-6). The only organic exceedance in groundwater was the dioxin/furan TEQ for groundwater sampled from SL05GW, which was present at a concentration in excess of the drinking water RBC (Table 4-11).

4.6.2.4 Former Transformer Location

Sampling Efforts

Review of a historic building plan obtained from the office of the Curry County Assessor revealed the past presence of an electrical transformer along the southeast former log pond shoreline. This transformer was situated adjacent to a saw and what was likely a concrete loading platform. Boring locations SL09GP and SL10GP were selected to bracket the north and south sides of the transformer area. Given that any potential releases from such a transformer were likely to be in the form of spills from the transformer and at ground surface, only shallow subsurface soil samples were collected. A groundwater sample was collected from boring SL10GP. All samples from this area were analyzed for SVOCs (including PCP and PAHs), PCBs, and TPH-Dx.

Soils in this area were predominantly composed of sand, with silt and gravel present in varying proportions. At location SL09GP, the 4 feet of drilling and recovery proceeded from the ground surface. However, at location SL10GP, a 15-inch-thick buried concrete slab was encountered approximately at 2 feet bgs. No

soil was recovered from the upper 4 feet of this boring. The soil sample at this location was collected from the 4 feet of material directly beneath the slab. No PID detections, odors, or staining was noted in these borings, and, excluding the concrete slab, no anthropogenic debris was encountered.

Findings

Arsenic was the only contaminant of concern detected at a concentration in exceedance of an RBC. While this constituent exceeded the RBC for direct contact, the concentration was below the regional background level (Table 4-7). No contaminant of concern where present in groundwater sampled from this area at concentrations above an RBC (Table 4-11).

4.6.2.5 Southern Wigwam Burner

Sampling Efforts

The southern wigwam burner was suspected as a potential contamination source at the site. Such impacts were assumed to be associated with the waste burning process where the ash, solids, and other non-combustible byproducts left behind could potentially have resulted in onsite contamination. Hazardous materials remaining after combustion can be determined by not only what was burnt, but also by the combustion process itself. Low temperature and/or incomplete combustion can leave ash and other remnants that have high concentrations of SVOCs and PAHs and, depending on the feedstock, include dioxins/furans. Waste burning can also result in higher concentrations of metals in the ash. It is not known how ash, solids, and other burner wastes were managed and/or disposed of at this site.

Previous sampling efforts by HAI at the site identified subsurface soil impacts by petroleum products and metals, with petroleum products identified at relatively high concentrations in groundwater in the vicinity of the southern wigwam burner. Geophysical survey work conducted during those sampling efforts also identified a subsurface anomaly of unknown provenance. During a subsequent site walk undertaken by HAI in conjunction with their 2019 Phase I ESA, reviewers noted an undulating, hummocky surface near the burner, potentially indicative of or associated with past filling and/or other disposal activities. These surface features were not visually obvious at the time of the START's site visit in March 2020.

Prior to the TBA field work, site stakeholders hired a contractor to cut and remove grass, brush, brambles, gorse, and other low-lying ground cover from targeted sampling areas. Removal of this ground cover from the southern wigwam burner footprint revealed an approximately 4- to 5-foot-tall pile of soil and debris in the area. Contrary to assumptions held prior to the field work, clearing this area did not reveal features that would otherwise have identified the perimeter of this burner, such as a concrete curbs, footings, or other structural foundation components.

As discussed in Section 4.6.1, geophysical survey efforts were undertaken in the area of the southern wigwam burner to relocate the subsurface anomaly encountered by HAI during their Phase II ESA efforts at the site. While the geophysical surveyor was unable to locate a geophysical anomaly at the coordinates provided by HAI, a subsurface anomaly was identified approximately 40 feet west/southwest of that location. Geophysical survey efforts during this current TBA also identified a significant amount of buried metal and other solid debris in the pile within the southern wigwam burner footprint.

To better understand environmental conditions in this area, four borings (SL14GP, SL15GP, SL17GP, and SL18GP) were advanced and five test pits were also excavated. Soil samples were collected from two of the test pits (SL16TP, OP02TP). Two of the remaining test pits were exploratory pits dug to visually inspect subsurface soils in the vicinity of the subsurface anomaly. The third "test pit" was dug with a shovel to observed soils on the southern margin of the raised vegetated area approximately 10 feet north of boring SL18GP.

Cores from the Geoprobe™ borings were collected for field screening and sampled from up to 16 feet bgs in SL14GP, SL15GP, and SL18GP, and a maximum depth of 24 feet bgs in SL17GP. Although evidence of fill and/or non-native deposits was generally limited to the upper 4 feet of soil, woody debris and fragments were noted to approximately 15 feet bgs in SL17GP. In addition to the wood, debris noted in the upper 4 feet of these borings included brick fragments, pieces of canvas, and charred material. Slag fragments were noted in SL17GP from 2.4 to 3.0 feet bgs and SL18GP from 1.3 to 2.1 feet bgs.

Other than a cedar-like odor and the intervals of charred materials, no staining or odors were noted in soils, nor did screening reveal soil intervals with elevated PID detections. Two soil samples were collected from each of these borings, with groundwater samples collected from SL15GP and SL18GP. Water was encountered in SL17GP; however, water at this location was too deep to be sampled using the peristaltic pump. Groundwater was not encountered at SL14GP.

Three of the four test pits advanced in this area focused on the subsurface anomaly identified by the geophysical contractor during TBA related field work. The first test pit, SL16TP, was advanced in the center of the anomaly. This pit revealed five distinct layers or intervals of material between the ground surface and the lower limits of the pit. Soil samples were collected from four of these intervals. From top to bottom, these included an approximately 10-inch interval of sand and gravel fill material; approximately 2 inches of a dark gray to black ash/charcoal layer that appeared to have high organic content (SL16TP01); approximately 5 inches of a lighter-colored tan to reddish tan, dense slag-like or consolidated ash/clinker layer with apparent vesicles (SL16TP02); approximately 18 inches of a bright orange/red silt (SL16TP03); and what appeared to be the native tannish brown silt/sand layer (SL16TP04).

Two exploratory test pits were then dug approximately 20 and 40 feet northeast of SL16TP. A very similar soil profile as that encountered in SL16TP was noted in the closer of the two test pits. In the further exploratory test pit, while some concrete pieces were noted in upper 2 feet, and a slight reddish hue was noted in soils from 2 to 4 feet bgs, the other overlying black and tan to reddish tan layers were not observed.

The fourth excavated test pit was dug on the south-central side of the soil pile within the former wigwam burner footprint. This test pit was dug to better understand the nature of metal and other buried debris identified in this area by the geophysical survey, and understand how much of the pile may include the charcoal, burnt wood, slag/clinker like solids, and other industrial debris noted on the ground surface in this area. The sample collected from this pile (OP02TP01) targeted the interval between 1 and 2 feet bgs, where the layer of ash/charred material was most prominent.

The shallow shovel test pit was advanced into the side of the blackberry/shrub overgrown area of mounded soil to the north of the southern wigwam burner area. Again, this shovel pit was placed approximately 10 feet north of soil boring SL18GP, revealing slag/clinkers, broken glass, various pieces of scrap metal, and fire brick in the pile. No sample was collected from this material. Although the full extent of this area of mounded soil could not be observed because of dense vegetation, this area is assumed to be the “hummocky terrain” observed by HAI during their 2019 Phase I ESA review of the site. As a means of preliminary estimation, the LIDAR imagery of the site available from DOGAMI does appear to capture the extent of the soil piles both at this location (approximately 1,800 square feet) and in the southern wigwam burner footprint (approximately 2,000 square feet).

Findings

Arsenic was the only inorganic contaminant of concern detected at a concentration in exceedance of an RBC. While this constituent exceeded the RBC for direct contact, the concentration was below the regional background level (Table 4-8). Arsenic and manganese were both present in one of the two dissolved groundwater samples collected from this area (SL18GW) at concentrations in excess of the drinking water RBC (Table 4-11).

With respect to organic constituents, dioxins/furans and one VOC (benzene) were present at concentrations above one or more soil RBC or the clean fill screening level used for this assessment. For dioxins/furans, the TEQ values for seven soil samples (SL14GP01, SL15GP01, SL16TP01, SL16TP02, SL17GP01, SL18GP01, and OP02TP01) exceeded the Oregon DEQ value for reuse of soils as clean fill. The dioxins/furans TEQ value in the sample collected from the test pit (OP02TP01) also exceeded the RBC for direct contact; the concentration of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) in this sample also exceeded the

clean fill reuse value. These RBC TEQ exceedances were all in soils sampled from within 4 feet of the ground surface. The one VOC exceedance was benzene detected at SL16TP01 collected from the first layer of ashy/discolored soils encountered at 10 to 12 inches bgs (Table 4-8). The only organic constituent in groundwater present above an RBC was the TEQ value for dioxins/furans sampled from both SL15GW and SL18GW (Table 4-11).

4.6.2.6 Former Stud Mill and Vicinity

Sampling Efforts

During HAI's previous Phase II ESA activity at the site, PCP was detected in groundwater samples. Interviews conducted during earlier Phase I ESA investigations of the site reported that dimensional lumber may have been produced at the site. This tentative recollection was subsequently confirmed during research for this TBA when the START obtained a site plan for the WSPCM from the Curry County Assessor depicting a stud mill at the site. Until the presence of stud mill could be confirmed, there were no known sources of, or historic onsite practices that used PCP. PCP is commonly used as an anti-sap staining treatment on dimensional lumber. Dioxins and furans had also been encountered in surface soil samples collected in the vicinity of the stud mill during earlier investigations. In addition to being a byproduct of incomplete or low-temperature organic material combustion in the presence of chlorine, dioxins/furans can also be a common chemical manufacturing byproduct. Sampling in this area was undertaken during this TBA to understand whether the stud mill may represent a potential source and/or hotspot of PCP and/or dioxins/furans, and to further assess a geophysical anomaly identified during HAI's 2019 Phase II ESA investigation a short distance south of the former stud mill footprint.

To address these unknowns, the TBA geophysical survey efforts first sought to identify the location of the subsurface anomaly. Three subsurface borings (SL20GP, SL21GP, and SL22GP) were then advanced on the margins of the stud mill footprint, and one test pit (SL19TP) was excavated at the geophysical anomaly. One soil sample was collected from 0 to 4 feet bgs in each of the borings. Two soil samples were collected from the test pit. Groundwater samples were collected from each of the three boring locations. All samples from this area were analyzed for total metals (dissolved metals for the groundwater samples), SVOCs (including PCP and PAHs), TPH-Gx, TPH-Dx, and the petroleum associated BTEX compounds (i.e., VOCs), and dioxins/furans.

As discussed in Section 4.6.1, the geophysical survey effort undertaken during this study appears to have relocated the subsurface anomaly identified during HAI's 2019 Phase II ESA efforts. During test pitting, this anomaly was identified as a metal plate buried approximately 4 feet bgs. Further excavation beneath this plate exposed an approximately 6-inch-diameter metal pipe at 6 feet bgs. By tracing a signal induced on the pipe after exposure, the geophysical surveyor was able to map the pipe as it ran approximately 60 feet northeast and southwest from

the test pit. Based on a comparison of this mapped pipe to a version of the Curry County Tax Assessor site plan digitized into GoogleEarth, this pipe appears to correspond with the mill's fire suppression line. Soil samples were collected from this test pit from an approximately 6-inch interval of soil above the metal plate (SL19TP01) and from soils adjacent to and beneath the pipe (SL19TP02).

Findings

Arsenic and lead were the only inorganic contaminants of concern detected at a concentration in exceedance of an RBC. While the arsenic concentrations exceeded the RBC for direct contact in all five soil samples collected from this area, the concentrations were below the regional background level (Table 4-9). The lead concentration in one soil sample (SL19TP01) also exceeded RBC for protection of groundwater. Arsenic was present in all three groundwater samples (SL20GW, SL21GW, and SL22GW) and manganese in two of the three groundwater samples (SL20GW and SL21GW) collected from this area at concentrations in excess of the drinking water RBC. Again, in all cases these groundwater exceedances were in the filtered samples submitted for analysis of dissolved metals concentrations (Table 4-11).

With respect to organic constituents, dioxins/furans were present at concentrations above one or more RBC or clean fill screening level used for this assessment. For dioxins/furans, the TEQ values for four samples (SL19TP01, SL20GP01, SL21GP01, and SL22GP01) exceeded the Oregon DEQ value for reuse of soils as clean fill. Two of these TEQ values (SL19TP01 and SL20GP01) also exceeded the RBC for direct contact; the concentration of 2,3,7,8-TCDD also exceeded the clean fill reuse value in sample SL19TP01. Similar to the southern wigwam burner area, these screening level exceedances were all in soils collected from within 4 feet bgs (Table 4-9). The calculated dioxin/furan TEQ value was again the only organic constituents in groundwater present above an RBC, exceeding drinking water–related RBC in all three samples (Table 4-11).

4.6.2.7 Potential Eastern Waste Disposal Area and UST location Sampling Efforts

During a review of previous Phase I ESA investigations of the site, as well as available historic aerial photography, what appeared to be a historic pond or low spot was identified on a portion of Tax Lot 902. Reviewers also noted a small structure south/southeast of the plywood mill building on Tax Lot 902, which may have been associated with the historically present USTs.

As discussed in Section 4.2.6, geophysical survey efforts were undertaken within two pre-selected polygons in this area. The first encompassed much of the northeastern cleared areas of Tax Lot 902. The second was an approximately 130- by 110-foot rectangle centered on the noted small structure. These geophysical surveys identified three relatively prominent geophysical anomalies, including two within the northeastern clearing and one area with an elevated GPR and

magnetic signature in the vicinity of a suspected UST location. To investigate these anomalies, three test pits were dug in the northeastern clearing (SL11TP, SL12TP, and SL13TP), and one was dug near the historic small structure (OP01TP). Based on field observations in test pit OP01TP, one Geoprobe™ boring (OP01GP) was advanced in an inferred downgradient position, approximately 20 feet north of OP01TP. All samples from this area were analyzed for total metals (dissolved metals for the groundwater samples), SVOCs (including PCP and PAHs), TPH-Gx, TPH-Dx, and the petroleum-associated BTEX compounds (i.e., VOCs). Observations at these locations were as follows:

- **SL11TP:** This test pit was dug at the southern of the two geophysical anomalies in the northeastern cleared area, revealing significant amounts of buried debris. This included metallic industrial debris, additional slag-like material, and what appeared to be a crushed 55-gallon drum in the top 3 feet of the excavation. At 5 feet, large river cobbles were encountered limiting the full depth of excavation to 7 feet. Soil samples were collected from a dark reddish-brown layer beneath the debris (SL11TP01) and at the base of the excavation (SL11TP02).
- **SL12TP:** This pit was advanced at the northern of the two more major geophysical anomalies noted in the northeastern cleared area on Tax Lot 902, where excavation work exposed a single 55-gallon drum buried approximately 1.5 feet beneath the ground surface. The drum appeared to have been buried intact and sealed; however, a small portion of the drum (approximately 2 by 6 inches) was breached by the excavator teeth during excavation, revealing a dark purple/amber hard crystalline solid material. No obvious sign of leakage was noted in soil surrounding the drum. Two soil samples were collected from this test pit. The first sample was collected adjacent to the south side of the drum, from soils below the bottom of the drum (SL12TP01). The second was collected from 7 to 8 feet bgs, from a location approximately 10 feet west/southwest of the drum. In addition, a small portion of the contents of this drum were collected in a glass jar and returned to the EPA's Seattle warehouse for hazard categorization analysis.
- **SL13TP:** This pit was dug near the northwest corner of the northeastern cleared area. As only two geophysical anomalies were noted in this area, the sample location was selected to broadly cover the geophysical survey area, targeting an area where a slightly hummocky surface was noted. No debris or other evidence of illicit disposal activity was noted in this test pit. Soils had a relatively high clay content, with the excavation encountering the large round river rocks observed at other test pits in this area at approximately 5 feet bgs. The two soil samples were collected from 1 to 2 feet bgs (SL13TP01) and 4 to 5 feet bgs (SL13TP02).
- **OP01TP:** This test pit was advanced where additional GPR returns and relatively elevated electromagnetic signatures were noted by the geophysical surveyor. Excavation in this area encountered a significant amount of trash and debris from the ground surface up to 5 feet bgs, including wood, piping, scrap metal, broken plastic, carpet scraps, and wire. Grey discolored soils with

a petroleum odor and elevated PID readings were encountered at approximately 6 feet bgs. Soil samples were collected from the interval above the stained soil with petroleum odor (OP01TP01), from the apparently petroleum-contaminated media (OP01TP02), and below the apparently petroleum-contaminated media (OP01TP03).

- **OP01GP:** Given the findings at OP01TP, an opportunity boring was placed approximately 20 feet north of the test pit, in an inferred downgradient location. This boring was placed to assess the lateral extent of contaminated media downgradient from the impacts noted in OP01TP. While no evidence of contamination in the form of odors, staining, or elevated PID detections was noted in soils recovered from this boring, wood, brick, and charred debris was encountered between 0.8 to 4.0 feet bgs. One soil sample was collected from this boring (OP01GP01) from the soil interval immediately above the water table. One groundwater sample was collected from a temporary well installed at this location following soil screening.

Findings

Arsenic and lead were the only inorganic contaminants of concern detected at concentrations in exceedance of an RBC. While the arsenic concentration exceeded the RBC for direct contact in all 10 soil samples collected from this area, the concentrations were below the regional background level (Table 4-10). The lead concentration in one soil sample (SL11TP01) exceeded RBC for protection of groundwater. Arsenic was present in one (TP12GW) of the five dissolved groundwater samples collected from this area at a concentration in excess of the drinking water RBC (Table 4-11).

With respect to organic constituents, gasoline range organics were present at a concentration above the value allowing soils to be reused as clean fill in sample OP01TP02, collected from soils that had the strongest petroleum odors. Gasoline range organics were also detected in groundwater sample OP01GW, collected downgradient of the test pit (Table 4-11).

Finally, hazard categorization analysis of the contents of the drum encountered at SL12TP identified the material as sodium percarbonate, a material commonly used as a bleach. The START chemist determined the material to be an inorganic water-soluble salt, an oxidizer, and when dissolved in water, to create a basic solution. When heated, sodium percarbonate decomposes into sodium carbonate and hydrogen peroxide. Hazardous material identification of the charred remains of the drum contents were noted to be sodium carbonate (Criss 2020).

4.6.3 Incremental Sampling Method - Surface Soil Assessment

TBA field efforts included ISM sampling to better assess and further contextualize areas where previous sampling identified relatively high concentration of dioxins/furans in surface soils during previous environmental investigations. This ISM sampling targeted a total of eight DUs, including one

"background" DU. Each ISM sample was analyzed for metals, SVOCs (including PAHs and PCP), and dioxins/furans. Samples from three DUs, including the background DU, were also analyzed for TOC.

During study planning efforts, the boundaries of six of these DUs were drawn to encompass the northern (DU2) and southern (DU6) former wigwam burner footprints. Two additional "rainbow" arc-shaped DUs were created to evaluate contaminant levels in the areas of land stepping out from each of these burners. DU3 and DU4 were created to bracket the northern wigwam burner while DU5 and DU7 were created to bracket the southern wigwam burner. A triplicate sample was collected from DU6 for QA/QC purposes.

The two remaining DUs were rectangular areas placed near the northern margin of the former log pond (DU1), and within the former log storage area (DU8). The boundary of DU1 was selected to assess surface soils in the area where HAI's sampling had identified the highest concentration of dioxins/furans in surface soil. DU8 was the "background" sample, placed in an area of the site depicted in historic aerial photographs as having been used for timber storage.

As discussed in Section 4.4.1, the limits of each DU, as well as the individual subsample locations, were plotted in ArcGIS using available historic and sampling data for guidance. Coordinates associated with each DU (i.e., DU polygon boundaries, subsample locations) were then loaded onto a geographic information system (GIS)-enabled field tablet that was then used to identify sample locations in the field. However, field staff had to modify the boundaries and subsample locations within several of these DUs to accommodate on the ground conditions. Modifications included the following:

- For DU1, the southern boundary of the DU, as mapped using aerial photographs, was found to include a portion of the downslope, northern dike wall between the targeted sampling area and the former log pond. As this area was both steep and heavily overgrown with blackberry bushes, the width of this DU was decreased to situate the entire DU on the flat, upland area; subsample locations within this DU were proportionally moved in accordance with this foreshortening. The modified limits of this DU were logged using the GPS capabilities of the field tablet.
- DU5, DU6, and DU7 were created to assess the potential presence of contaminants within and adjacent to the southern wigwam burner. As previously discussed, removal of the blackberry bushes and other low vegetation from this area prior to the field event revealed an approximately 5-foot-tall soil/debris pile. Little to no evidence of the former wigwam burner's footprint was noted after brush removal. As the full extent of these three DUs had not been cleared of vegetation, and given the presence of the debris pile, these DUs were redrawn by field staff.

  The limits of DU6 were redrawn to collect all associated subsample increments from the surface of the soil/debris pile. DU5 and DU7 were then modified to place their associated subsamples within arc-shaped strips of land extending approximately 15 feet from the east and west sides of the soil/debris

pile (i.e., DU6). Although the field team attempted to document the modified boundaries of each of these DUs using the field GPS/GIS system, software and data connectivity issues resulted in these changes not being uploaded to and/or preserved in the cloud-based map server used for this project. Therefore, the limits of these DUs are interpolated boundaries that were hand-drawn after the end of the field event.

4.6.3.1 Findings

Arsenic and lead were detected in multiple ISM soil samples at concentrations in excess of one or more RBC or clean fill screening value. Arsenic exceeded the RBC for direct contact in each sample, including the background sample (DU08SS). Arsenic concentration in four of these concentration also exceeded the value that would allow for soils to be reused as clean fill (DU04SS, DU06SS, DU06SS-T, and DU07SS), with three of these values also having arsenic at concentrations in excess of the regional background value (DU06SS, DU06SS-T, and DU07SS). Lead concentrations in six of these samples (DU04SS, DU05SS, DU06SS, DU06SS-R DU06SS-T, and DU07SS) were in excess of protection of groundwater RBCs; five of these lead concentrations also exceeded the regional background metals value (DU04SS, DU05SS, DU06SS, DU06SS-R and DU06SS-T) (Table 4-12).

With respect to organic constituents, every DU sample, including the background sample (DU08SS), had concentrations of dioxins/furans, as represented by both the TEQ value and concentration of the individual 2,3,7,8-TCDD congener, above the concentration that would allow for soils to be reused as clean fill. In addition, dioxin/furan concentrations in eight of the samples, as represented by the calculated TEQ value, exceeded the RBC for both direct contact and protection of groundwater (DU01SS, DU03SS, DU04SS, DU05SS, DU06SS, DU06SS-R, DU06SS-T, and DU07SS). Finally, concentration of dibenzofuran also exceeded the value to allow for soils to be reused as clean fill in six samples (DU01SS, DU4SS, DU05SS, DU06SS, DU06SS-R, and DU06SS-T) (Table 4-12).

4.6.4 Sediment and Surface Water Sampling

Given the dearth of information regarding historic practices at the site, the centrality of the two onsite ponds to historic mill operations, and their potential to serve as receptors for contaminants transported by overland mechanisms, the former log pond and fire suppression pond were targeted for sampling during this TBA. The importance of this sampling was bolstered by the fact that stream and other wetland habitat restoration efforts would by necessity include the waters in, and footprint of, both ponds. To assess potential impacts in these areas, a total of nine sediment samples and four surface water samples were collected. These samples were analyzed for metals (total and dissolved for surface water), SVOCs (including PAHs and PCP), dioxins/furans, and TOC. Samples were collected as follows:

- Five sediment samples (PD01SD through PD05SD) were collected from the former log pond. Two co-located water samples were collected from the outlet and inlet stream to the former log pond,
    - **PD01SD/PD01SW:** These co-located sediment and surface water samples were collected where water passed through the northern dike wall of the former log pond. Sediments were noted to consist of a well-graded sand with silt. Invertebrates were noted in the sampled sediment.
    - **PD02SD:** This sample was collected from the northwest corner of the former log pond, from a location that based on the absence of vegetation, appeared to have been a surface water drainage path before beaver dam removal. Sediments were noted to be a sandy silt.
    - **PD03SD:** This sample was collected from the northeast corner of the former log pond, from a location that based on the absence of vegetation, appeared to have been beneath the water surface before beaver dam removal. Sediments were noted to be a sandy silt.
    - **PD04SD:** This sample was collected from near the center of the former log pond, from a saturated silty/muck within an area of reed grasses and cat tails.
    - **PD05SD/PD05SW:** These co-located sediment and surface water samples were collected from the creek/drainage channel between the spillway from the former fire suppression pond and what would have been the extent of standing water on the former log pond prior to beaver dam removal. Sediments were noted to be a silt with some gravel.
- Four sediment samples (PD06SD through PD09SD) were collected from the former fire suppression pond. All sediment samples from this pond were noted to consist of a silt with a high level of organic materials. Two co-located water samples were collected from the outlet and inlet to the former fire suppression pond:
    - **PD06SD/PD06SW:** These co-located sediment and surface water samples were collected within the pond, adjacent to the concrete spillway where water exits to the former log pond.
    - **PD07SD:** This sample was collected from the northeast corner of the former fire suppression pond, approximately 15 feet north of the former pumphouse.
    - **PD08SD:** This sample was collected from the southern corner of the former fire suppression pond, in an area with heavy surface vegetation and lily pad growth.
    - **PD09SD/PD09SW:** These co-located sediment and surface water samples were collected from southwest margin of the former fire

suppression pond, adjacent to the mouth of Bagley Creek's discharge culvert. As this sample was collected to represent "background" conditions, this sample had originally been proposed to be collected from a location on Bagley Creek upstream from the pond. However, during the sampling event, the culvert the Bagley Creek was noted to extend off of the subject property, with its upstream opening situated on the west adjacent property. As an alternative, the START also explored collecting this sample from a location further upstream. As dense, impenetrable vegetation was noted along the creek channel where Bagley Creek ran beneath Elk River Road, and the ownership of this area of land was uncertain, the background sample was collected from the culvert outlet.

4.6.4.1 Findings

Multiple metals were detected in sediments collected from the two ponds at concentrations in excess of RBCs. These included chromium and nickel in all nine samples, copper and zinc in the northern three former log pond samples (PD01SD, PD02SD, and PD03SD), and lead in sample PD03SD as collected from the former log pond. Of these detections, only the concentrations of lead and zinc in PD03SD, collected from the former log pond, were also above the regional background level (Table 4-13). Total aluminum and iron concentrations in one surface water samples (PD01SW) also exceeded the most restrictive SLV; however, dissolved concentrations of these metals were below these SLVs. Barium was also detected at concentrations above the most restrictive SLV in all total and dissolved surface water samples; however, given this constituent's relatively consistent concentration in all samples, this is likely to represent a background condition not necessarily attributable to site related impacts. (Table 4-11).

With respect to organic constituents, dioxins/furans were present at concentrations above the sediment RBC in three former log pond sediment samples (PD01SD, PD02SD, and PD03SD). The dioxin/furan concentrations in these samples, as represented by the calculated TEQ value, exceeded the sediment RBC (Table 4-13). One sample from the former log pond (PD02SD) also contained concentrations of benzo(a)anthracene and phenanthrene marginally above the sediment SLV. No organic constituents were detected in surface water at a concentration above an RBC (Table 4-11).

4.6.5 Level I Ecological Risk Assessment

To better understand the potential for site-related impacts to affect threatened and endangered species, sensitive environments, and other ecological receptors potentially present at the site, a Level I ERA was performed. As originally proposed in the SQAP, this assessment relied on the guidance provided in the Oregon DEQ's *Guidance for Ecological Risk Assessment* (Oregon DEQ 1998). After the conclusion of field work, the START learned that this guidance had been superseded by the Oregon DEQ's "Conducting Ecological Risk

Assessments" signed by Department on September 14, 2020 and released to the public on September 29, 2020. As the 2020 published guidance was unavailable during the planning phases of this TBA, and not released until after conclusion of the field work, ERA efforts were predominantly guided by the 1998 document. However, several modifications were made to the START's Level I ERA to incorporate aspects of the Oregon DEQ's newer guidance document.

As per a brief review of the 2020 guidance document, it appeared the guidance was updated with an eye towards streamlining and clarifying the ERA requirements. This 2020 document updated information on recommended sampling approaches, including the introduction of DUs and ISM type sampling as a recommended sampling approach; approaches to discussions on viable pathways and affected species or "guild" receptor groups (i.e., plants, invertebrates, birds, and mammals all represent "guilds); and provided additional information to use in assessing cumulative risk where more than one contaminant may be present (Beveridge & Diamond 2020). This 2020 update also revised the default screening level values used or relied on when assessing the potential for adverse health effects for various receptor guilds that may be exposed to Contaminants of Interest (COI) at a site. The 2020 update revised soil and surface water screening level values, now calling these values RBCs in concordance with terminology used for human health-based exposure standards and added an additional set of RBCs that account for bioaccumulative effects to apex bird and mammal predators. The 2020 guidance also updated the approach to be taken when selecting default RBCs to be used in the presence or absence of threatened and endangered (T&E) species at a site. An additional, more exhaustive list of resources was also provided for reference when selecting various media and receptor specific screening values.

The TBA field assessment for the Level I ERA was performed by a START biologist in conjunction with field sampling efforts. Field efforts were informed by a review of various online map-based data query portals for T&E species and sensitive and critical environments that may be present at or in the vicinity of the site. During field work, the biologist conducted a visual review and photographed site conditions as related to these criteria. These features were also recorded using a field GPS device.

Sample results from this TBA were used to outline COIs that receptors on the site may be exposed. Toward this end, a second set of analytical summary tables was created for use in comparing detected COIs to ecological RBCs and SLVs. All subsurface and surface soil analytical results were compared to the ecological RBCs provided in the 2020 updated guidance document. Surface water, groundwater, and sediment analytical results were compared to SLVs values included in Oregon DEQ's 1998 guidance. The reader should note that samples locations for this TBA were selected using a biased approach that targeted areas with the highest perceived likelihood of contamination. While this approach provides some overlap with an end goal of assessing concentrations of these COI

that receptors may be exposed to, sample locations were not specifically selected to assess only such potential exposures.

The site visit and historical research associated with the Level I ERA identified no ecologically important species or habitats present within the site. Accordingly, no further work was recommended to assess the potential for adverse ecological impacts to T&E terrestrial ecological receptors at the site.

When compared to the ecological RBCs/SLVs, sampling did, however, identify multiple organic and inorganic COIs in soils at concentrations that exceed one or more ecological RBC. In general, these exceedances were relative to the most conservative available RBC, and the majority of inorganic COIs present at concentrations in excess of an RBC were, however, below the regional background concentration. For organic constituents, dioxins/furans concentrations, as represented by the calculated TEQ value were the predominant COI exceedance, with these exceedances occurring in surface soils and subsurface soils collected from a large portion of the site. Dioxin TEQ values in three sediment samples from the northern portion of the former log pond also exceeded the default freshwater sediment ecological screening level values for 2,3,7,8-TCDD.

Given the above, additional assessment was recommended to better understand the vertical extent of these RBC exceedances, the potential for soils and sediments to be part of a complete exposure pathway for ecological receptors that may be present on the site, and whether the default RBC/SLVs used in this comparison are appropriate for expected end use and/or exposure pathway related scenarios.

For more information on the efforts, findings, and conclusions associated with the Level I ERA, the reader of this report is referred to the memorandum report included as Appendix E of this report.

4.7 Historic Preservation Act Considerations

To coordinate TBA activities with the National Historic Preservation Act, the EPA, with assistance from the United States Army Corps of Engineers, consulted with the Oregon SHPO and the THPO for the Coquille Indian Tribe. The SHPO and the THPO both indicated concern that proposed TBA related investigatory tasks may impact archeological resources in the project area. The SHPO recommended that a professional archeologist conduct an archaeological survey of the project area prior to the undertaking. . The THPO went further in more specifically recommending that the archeologist/cultural observer perform a pedestrian survey, , observe ground-disturbing activities during the field event, and provide the THPO with adequate notification to allow a Tribal Cultural Resource Monitor the opportunity to be onsite to monitor excavation activity. For this reason, the START subcontracted with Applied Archaeological Research, Inc. (AAR) to provide an appropriately trained and qualified archeologist/cultural observer to observe field work, conduct a survey of sampling locations prior to

disturbance, conduct shovel test pits at areas targeted for test pit excavation, and prepare a follow-up report discussing observations at the site.

If the AAR archeologist had encountered or observed artifacts or human remains, work at that location would have immediately stopped and the EPA TM would have been immediately notified. As outlined in *Results of a Cultural Resources Survey and Archaeological Monitoring for the Former Western States Plywood Cooperative Mill Targeted Brownfields Assessment, Port Orford, Oregon Report*, generated by AAR, no such artifacts or remains were encountered during drilling or excavation activities. Correspondences relating to National Historic Preservation Act coordination, as well as AAR's report, are provided in Appendix G. A copy of AAR's report was also provided to the SHPO and THPO by the EPA.

4.8 Global Positioning System

GPS coordinates of TBA sample locations were collected utilizing a Trimble™ Geo7X handheld GPS. Recorded GPS coordinates by sample point are listed in Appendix H.

4.9 Investigation Derived Waste

Investigation-derived waste (IDW) generated during the WSPCM TBA sampling event included disposable sampling supplies, disposable personal protection equipment, decontamination water, and purge water. All disposable IDW was bagged in opaque plastic bags, transported back to the EPA warehouse in Seattle, Washington, and collected by Waste Management. Materials that could be recycled (plastic, cardboard, steel, and paper) were segregated from trash at the EPA warehouse in Seattle, Washington, and collected by Waste Management for recycling.

Borehole purge water and water generated while washing/decontaminating non-dedicated sampling equipment were contained in four 55-gallon drums. All IDW drums were labeled and stored on the gravel surfaced area east of the maintenance building on Tax Lot 900. One composite water sample (ID01WT) was collected from these drums for waste characterization purposes.

The composited IDW water sample was submitted for TAL metals, SVOCs, NWTPH-Dx, NWTPH-Gx, VOC, and dioxins/furans analyses. Sample results indicated that all IDW was non-hazardous. On December 17, 2020, all drums were picked up by ACT Environmental Services and transported to Waste Management's landfill in Hillsboro, Oregon for disposal. Waste disposal related documents, along with the IDW characterization sample results summary, are included as Appendix I.

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5 Field Investigation Summary

The following investigation summary for the WSPCM site is derived from the analytical data gathered during the TBA field investigation (see Section 4). This TBA focused on a large number of contaminants of concern, including metals, SVOCs (including PAHs and PCP), PCBs, TPH-Dx and TPH-Gx, the petroleum-associated BTEX products (i.e., VOCs), formaldehyde, and dioxins/furans. As several of these analytical suites were selectively applied to specific areas of the site based on knowledge of site history, it is possible that contaminants could be present at levels exceeding applicable criteria values in additional areas of the site. It is recommended that the Oregon DEQ, along with Tribal and State Historic Preservation Officers, be consulted prior to further investigation or implementation of any remedial actions at the site.

5.1 Field Investigation Summary

The TBA field investigation focused on the following impacted media as associated with RECs that had been identified at the site:

- Contaminated Surface and Subsurface Soil,
- Groundwater Contamination, and
- Contaminated Sediments and Surface Water Features.

In review of analytical data generated during this study, dioxins/furans were identified as the primary and most widespread organic contaminant of concern detected at the site. This contaminant group, as represented by the calculated TEQ value for mammals, was present in soils across a large portion of the site at concentrations in excess of one or more soil RBC and/or clean fill screening level. Using this TEQ metric, dioxin/furan concentrations in sediments in the northern portion of the former log pond also exceeded related RBCs. Other organic constituents, including bis(2-ethylhexyl)phthalate, benzene, and TPH as gasoline were sporadically detected in soil and groundwater at concentrations above RBCs.

Of the soil/sediment samples collected from the site, the highest dioxin/furan TEQ values at the site were present in the three sediment samples collected from the northern margins of the former log pond in samples PD01SD (140 nanograms per kilogram [ng/kg]), PD02SD (120 ng/kg), and PD03SD (120 ng/kg).

For surface soils, the samples collected from the northeastern corner of the former log ponds had the highest calculated dioxin/furan TEQ value (DU01SS, 46.2 ng/kg), closely followed by the TEQ values in soils sampled from the southern wigwam burner debris pile (DU06SS-T, 35.2 ng/kg) and to the west (DU05SS, 33.85 ng/kg) and east (DU07SS, 41.44 ng/kg) side of this pile. Also, of note is the presence of dioxin/furan TEQ values in surface soils above the Oregon DEQ

value that would allow for soils to be reused as clean fill surface at the background DU (DU08SS, 2.97 ng/kg).

For subsurface soils, other than generally being confined to the upper 4 feet of soil, the distribution of soils with the highest dioxin/furan TEQ values did not appear to follow a distinct pattern. Subsurface soil samples having the highest TEQ values were SL19TP01 (29 ng/kg) which would have been located beneath the mill building footprint; SL08TP01 (25 ng/kg) and SL06GP01 (23 ng/kg), which were located just north of the concrete pad present at the surface on the southeast corner of Tax Lot 901 and east of the historic “fuel bin” for the mill; and SL25TP01 (20 ng/kg), located atop a dike on the northwest corner of the former log pond. These subsurface samples with the highest detections were scattered across a relatively broad area of the site, and while three of the highest detections were encountered near buildings associated with historic site operations, these results did not appear to correlate with field observations, such as soils with apparent ash and/or slag like material having higher TEQ values.

For soils deeper than 4 feet bgs, samples with TEQ values above an RBC or clean fill screening level were most consistently collected from test pits atop the dike wall along the northwest side of the former log pond (SL24TP02, 4.8 ng/kg; SL25TP01, 3.8 ng/kg; SL26TP02, 2.5 ng/kg). One of the deeper samples collected near the concrete slab/historic fuel bin on Tax Lot 902 also had TEQ values above the clean fill guidance (SL06GP02, 0.79 ng/kg). In all cases, these exceedances in deeper soils were as compared to the clean fill reuse value.

While it’s possible that future sampling reveals a correlation between higher TEQ values and potentially past disposal practices at the site, currently available data do not clearly demonstrate this relationship. Further, the elevated dioxin/furan TEQ values in the background ISM sample (DU08) may point to multiple contaminant dispersion methods for dioxins/furans, such as airborne outfall from the wigwam burners, vehicles tracking contaminated soils, or other dispersion methods. These background conditions may also have a genesis from non-site related sources such as ashfall from both historic forest fires, or those wildfires that were ongoing during the field event.

At locations where other organic concentrations were elevated, with the exception of OP01TP, based on field observations and available sampling data, these appear to represent isolated hotspots that may not warrant further examination. Again, these constituents included bis(2-ethylhexyl)phthalate, benzene, and TPH as gasoline. In each case, these exceedances were only detected in one of the soil samples from a given location, and generally not detected in groundwater.

In the area of buried debris where petroleum impacted soils were encountered (OP01TP), soils with gasoline range organics above the RBC for protection of groundwater were encountered at the water table (OP01TP02, 180 milligrams per kilogram), but not present in detectable concentrations in soils collected above or

below this sample (OP01TP01 and OP01TP03). Further, while gasoline was not detected in soils sampled from the boring placed downgradient of this location (OP01GP01), groundwater sampled at this location contained gasoline at a concentration above the drinking water RBC (OP01GW, 140 micrograms per liter [µg/L]). However, this concentration only slightly exceeds the associated RBC (110 µg/L), and gasoline was not detected in water sampled from the existing well further downgradient from this location (EW02GW). Additional sampling and testing would be required to define the full lateral and vertical extend of contamination in this area. Based on sampling data, this area may in fact have been the historic location of now removed USTs.

At the locations where benzene (SL07GP01, 24 micrograms per kilogram [µg/kg] and SL16TP01, 74 µg/kg) and bis(2-Ethylhexyl)phthalate (SL24TP01, 5200 µg/kg) were detected above the protection of groundwater RBC and/or clean fill screening level value, no other soil samples from these test pit or boring locations contained the same constituent, nor was the constituent detected in groundwater at or proximal to the soil sample location.

With respect to inorganic constituents, multiple metals were detected in soils at concentrations in excess of one or more RBC and/or clean fill screening level value. However, the vast majority of these metals were detected at concentrations at or below the expected regional background level. Exceptions include arsenic and lead. Arsenic concentration in three surface soil samples (DU06SS, DU06SS-T, and DU07SS) exceeded the RBCs for both direct contact and reuse as clean fill, but only marginally exceeded the associated regional background metals concentration. The lead concentrations in two subsurface (SL19TP01 and SL11TP01) and five surface soil samples (DU04SS, DU05SS, DU06SS, DU06SS-R, and DU06SS-T) also exceeded both the RBC for protection of groundwater and the regional metals background concentration; however, as lead was not detected in any of the groundwater samples collected as a portion of this study, soils with lead above the this RBC do not appear to be affecting groundwater quality.

Table 5-1 presents the frequency of exceedance of regulatory cleanup standards in TBA samples.

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6 Site Summary and Conclusions

The WSPCM site is located in Port Orford, Curry County, Oregon. Port Orford is a coastal town situated on the Pacific Ocean in Curry County, a rural area of southwest Oregon. The town, and the site itself, are relatively remote, situated approximately170 miles and more than 3 hours driving distance from Eugene, Oregon. The WSPCM site as defined for this project includes five separate tax lots that together comprise 28.17 acres of land. The site is a former plywood manufacturing facility, with the now-demolished, historic mill building occupying portions of four of the five lots making up the site. Various mill-related improvements, including wigwam burners, boilers, offices, storage buildings, a fire suppression pond, a log storage pond, and log storage areas occupied the balance of the mill property.

Bagley Creek traverses the site in a generally north to south direction, flowing onto the site through a culverted channel from the hillsides to the south. After crossing the site, in its natural state Bagley Creek had discharged directly to the Elk River. While the site operated as a plywood mill, Bagley Creek was used as a water source for the mill's log and fire suppression ponds. The majority of the diking and dams associated with the ponds remain; however, a narrow opening was more recently excavated through the former log pond's northern earthen dam to allow the waters to flow from the former log pond to the Elk River.

Given the past operations at the site, as well as the results of recent environmental testing, potential contamination sources at the site included industrial machinery and vehicles operated onsite, leaks or spills from oil-filled transformers or of maintenance shop-related materials stored in containers, and possible releases of wood treatment chemicals such as PCP. Potential contaminants associated with such past operations were identified as including metals (including mercury), TPH-Dx, TPH-Gx, SVOCs (including PCP and PAHs), PCBs, the petroleum-associated BTEX products, formaldehyde, and dioxins/furans.

Ultimately, stakeholders envision restoring Bagley Creek to its previous orientation, reestablishing wetlands and other aquatic habitat to creek-adjacent land and reconnecting the mouth of Bagley Creek to its upland habitat. The potential presence of contamination in onsite media as a result of historic mill operations present a hindrance in reaching these objectives. The WSCPM TBA was implemented to better understand the location, magnitude, and extent of such contamination on the site. Data generated by this study would then be used by stakeholders as plans are developed for reuse, with an eye to mitigating impacts to aquatic habitat from contamination that may be present, whether through incorporation of remedial activities into reclamation efforts, or designing creek/habitat restoration in a manner that avoids areas with highest contaminant concentrations.

During the TBA field sampling event conducted in September 2020, a total of 52 subsurface samples were collected from 15 borings, and 17 test pit excavations, 19 groundwater samples were collected from seventeen temporary wells and two permanent wells, 10 ISM surface soil samples were collected, nine surface sediment samples were collected, and four surface water samples were collected.

6.1 Recognized Environmental Condition Findings

Analytical results indicate the presence of dioxins/furans, as reflected in their calculated TEQ value, in soils and sediment across much of the area of the site sampled for these constituents. The highest dioxin/furan contaminant concentrations were identified in the sediments collected from the northern end of the former log pond, followed by TEQ values in the surface soil DU adjacent to the northeast corner of this pond, and then surface soils at and adjacent to the southern wigwam burner. For subsurface soils, other than several of the highest TEQ values being detected in soils near the historic mill structures, a concentration gradient was not apparent. Areas where higher TEQ values were encountered do not appear to correlate with locations where evidence of dumping or disposal was observed during field screening.

Gasoline range petroleum products were also identified in soil (OP01TP02) and groundwater (OP01GW) near the northwest corner of Tax Lot 902. Given these data, there is a possibility that USTs were historically located in this area. The full extent of these impacts is not currently known; however, in its current state, exposure to these contaminated media appears unlikely. Other organic constituents were also sporadically detected in samples collected from the site; however, these organic constituents appear to represent isolated hotspots and further characterization does not currently appear warranted.

Multiple metals were also detected in surface and subsurface soils at concentrations above one or more RBC. However, in almost every case these metals were present at concentrations that were within the expected background concentration for the area, and hence remediation based on their presence alone would likely not be warranted.

Mindful of the end use for the site, data gathered during this study was also reviewed in the context of the potential for adverse effects to terrestrial, aquatic, and other ecological receptors. To this end, a Level 1 ERA was conducted and is attached as Appendix E of this report. Referring to that document, conclusions regarding the extent of contamination on the site are generally similar to those summarized above that use human health-based RBCs. The principal difference for ecological receptors is that in many cases, RBCs for soil contamination are lower, with that being the case for dioxins/furans in particular. As a consequence, more of the soils in which contamination was found may present a risk of adverse health effects to ecological receptors.

Finally, based on the findings of this study, depending on the full scope excavation undertaken at the site, disposal of general construction debris may be required to facilitate restoration activities at the site. This would include materials such as the buried concrete slab at the surface and buried on Tax Lot 901, as well as what appears to be buried metal piping located on this lot and Tax Lot 104. Materials where slag/clinkers were observed, such as in the area of the southern wigwam burner, along the northern former log pond dike, or on the northeast corner of Tax Lot 902, may requirement management and disposal based on other non-chemical factors.

For areas where inorganic and organic contaminants were encountered in subsurface soils, given the depth at which some of these contaminants were encountered, it may be worth considering options for in-place management of contamination.

6.2 Follow-on Study Options

As a next step, the following additional characterization efforts would likely be warranted:

- Additional ISM sampling of surface soils along the northeast, northwest, and eastern sides of the former log pond to better understand the extent of dioxins/furans impacted soils in this area.
- If the northern former log pond dike is to be excavated and removed in conjunction with restoration efforts, further sampling and testing along the northern margins of the former log pond dike, especially in areas closer to scarp face on the north side of that feature where dioxin/furan TEQ were encountered at depth. While this area does appear to generally correspond to a naturally deposited alluvial valley feature, based on the dioxin/furan detections at depth in test pits excavated in this area (SL24TP, SL25TP) and the presence of some slag and other burn deposits, site operators may have disposed of burner ash over the edge of this area. Depending on the level lateral resolution required, additional sediment sampling may also be warranted to more completely understand the extent of dioxin/furan impacts in sediments. In either case, such sampling should be guided by restoration goals, targeting those areas where contact may be possible in both the current and proposed future states of development;
- Conducting further Level II and/or Level III ERA as outlined in the Oregon DEQ's 2020 Conducting Ecological Risk Assessment document to better understand the exposure risk using site specific inputs, and the related potential for adverse effects to ecological exposure risks to receptors present or potentially present at the site. Anticipating that proposed habitat restoration may reintroduce the Elk River Coho salmon, a federally listed threatened species, to Bagley Creek and the subject site, future ERA efforts should also consider threatened and endangered species related exposures.

Finally, at such time as Tax Lot 903 is fully in the control of site stakeholders, implementing the sampling and testing proposed for that lot but not completed as a part of this TBA is recommended.

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Figures

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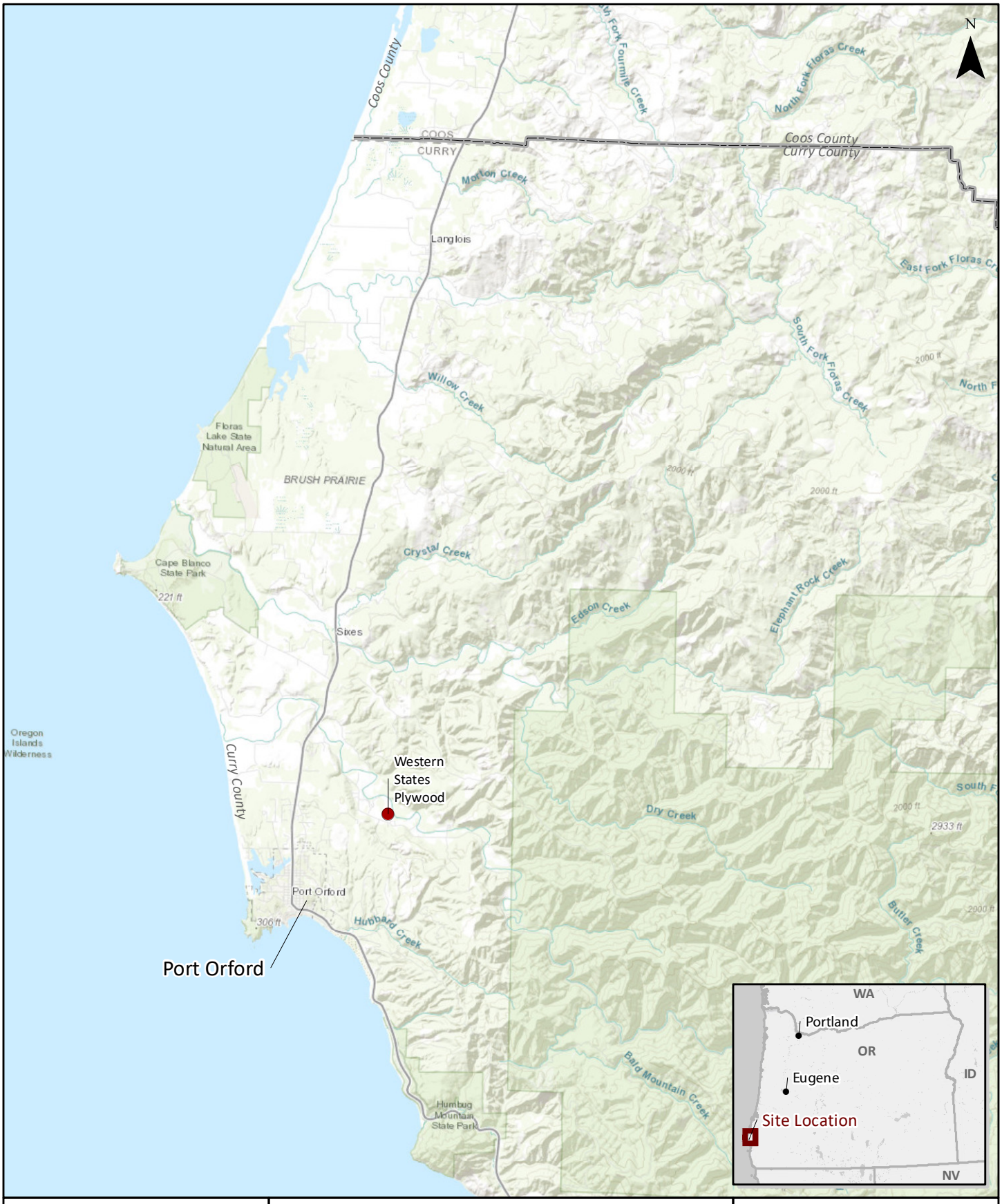

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 0.5 1 2 3 4
Miles

Figure 2-1
Site Location Map

12/22/2020

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Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 50 100 200 300 400
Feet

Sources: Esri 2020

Figure 2-2
Site Layout Map

12/22/2020

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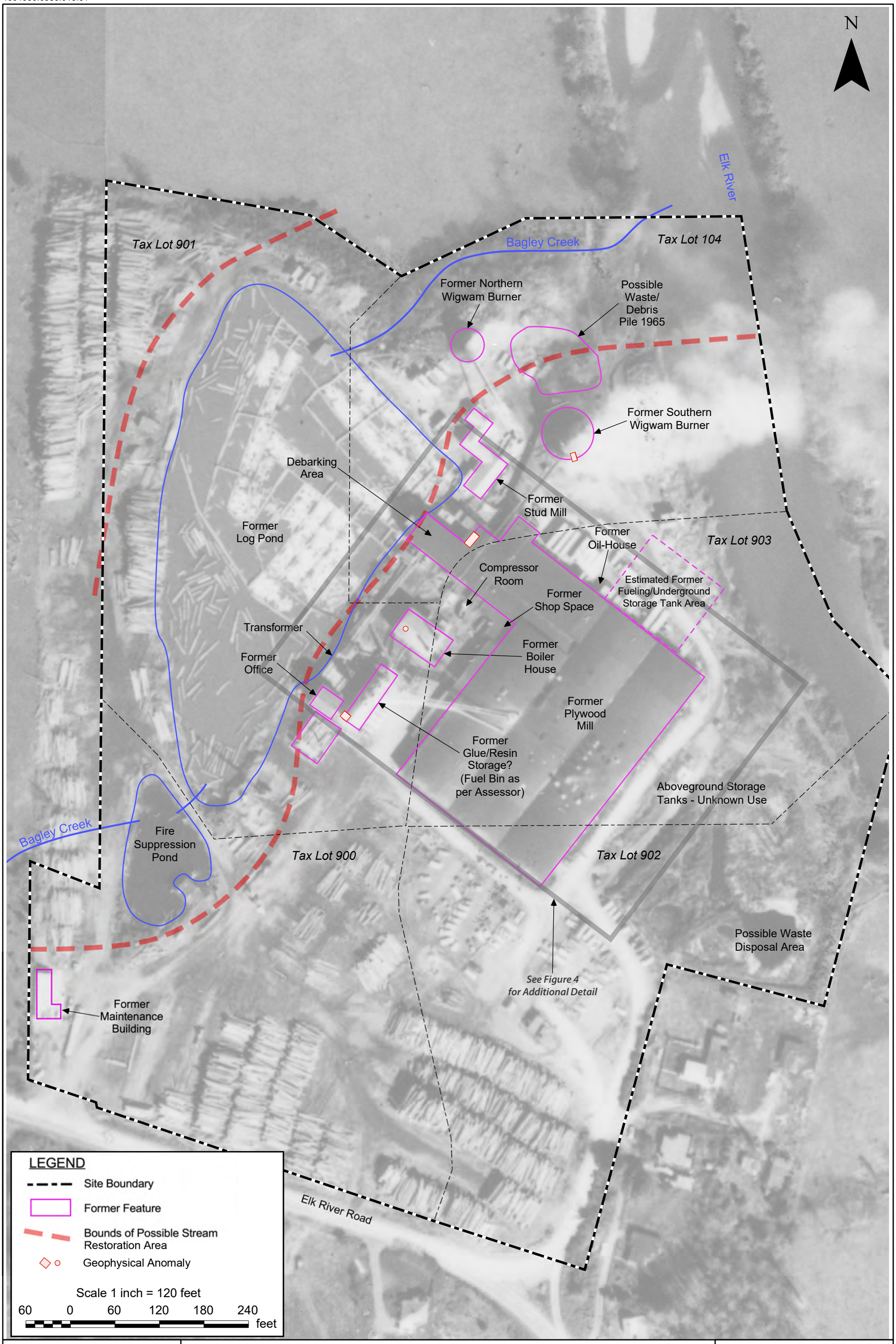
1004530.0380.013.01



Former Western States Plywood Cooperative Mill
Port Orford, Oregon

Source: HAI 2019

Figure 2-3
Site Layout Map
Historic Aerial (1970)
12/22/2020

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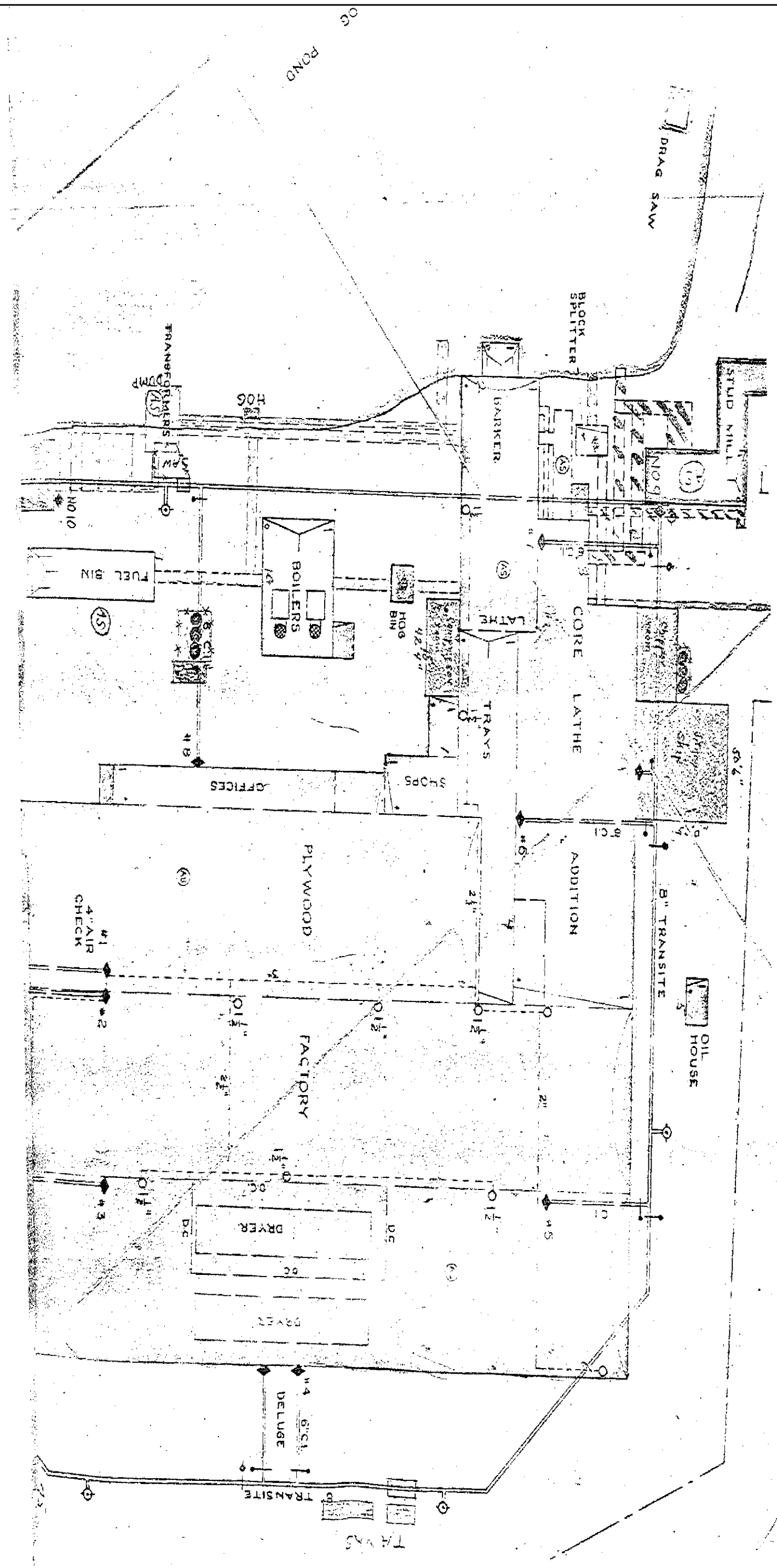

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 25 50 100 150 200
Feet

Figure 2-4
Historic Site Plan (Assessor)

12/22/2020

Source: Curry County Assessor

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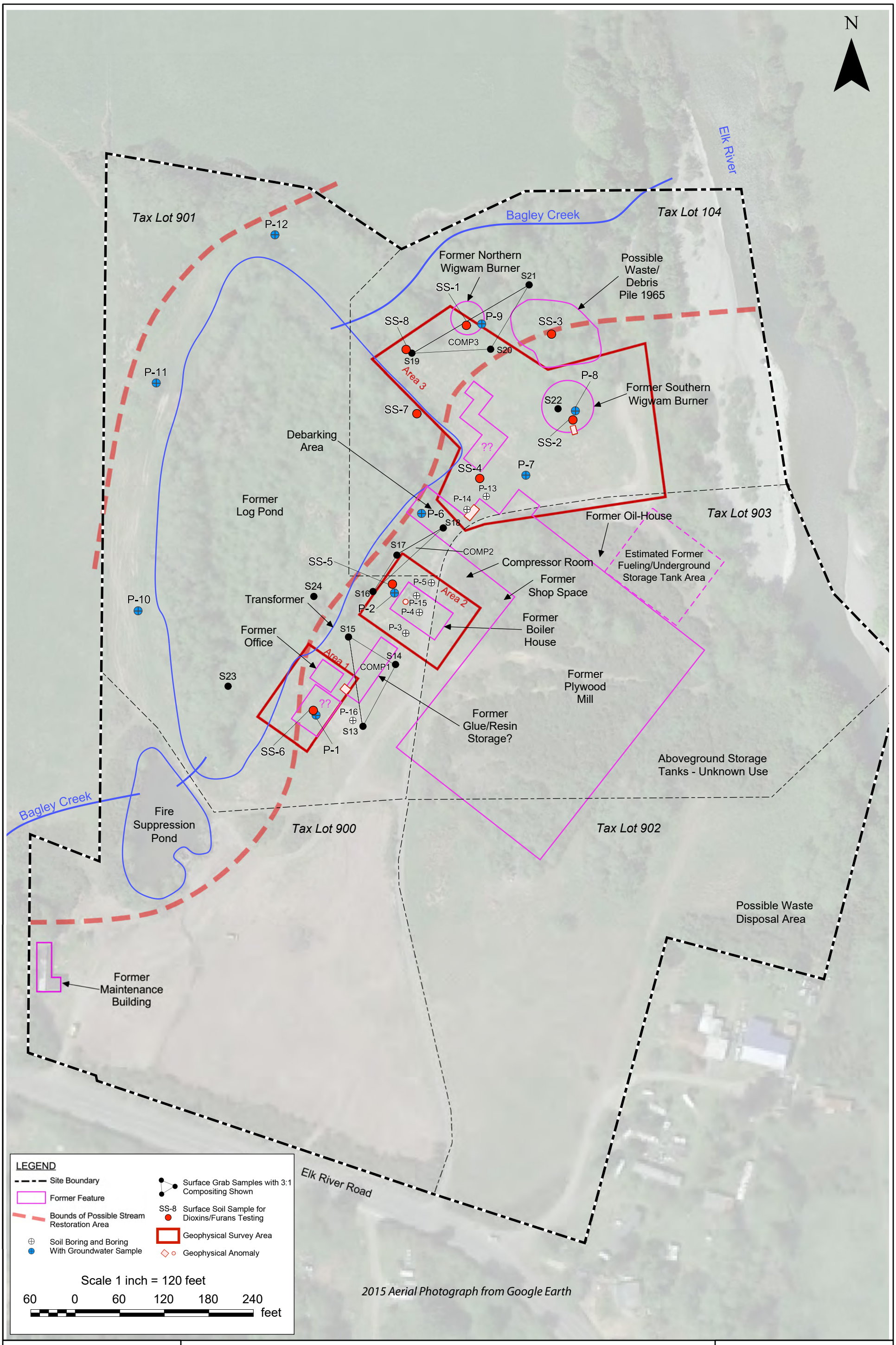

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

Source: HAI 2019

Figure 2-5
Previous Sampling Locations (HAI-2018)

12/22/2020

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Sample Location
- Geoprobe Boring
- Geoprobe Boring with Groundwater Sample
- Sediment
- Sediment/Surface Water
- Test Pit
- Test Pit with Groundwater Sample
- Well with Groundwater Sample
- Bagley Creek
- Tax Lot Boundaries
- Decision Units
- Subject Site

N

Elk River

Bagley Creek

SL26TP
SL25TP
TP25GW
SL24TP
SL27TP
PD01SD
PD01SW
SL23TP
TP23GW
PD02SD
DU 3
DU 4
DU 2
Shovel Test Pit
SL18GP
SL17GP
SL22GP
DU 1
DU 5
DU 6
DU 7
Former
Log Pond
SL21GP
OP02TP
SL16TP
SL20GP
SL15GP
SL14GP
SL04TP
TP04GW
PD03SD
PD04SD
SL19TP
SL10GP
SL09GP
Former Footprint
of Plywood
Mill
PD05SD
PD05SW
SL07GP
SL06GP
SL08TP
SL05GP
PD06SD
PD06SW
Former Fire
Suppression
Pond
SL03TP
TP3GW
PD07SD
SL12TP
TP12GW
PD09SD
PD09SW
SL13TP
TP13GW
PD08SD
SL11TP
TP11GW
EW02GW
EW01GW
SL02GP
SL01GP
Background DU
OP01GP
OP01TP
Elk River Road

wsp

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 50 100 200 300 400
Feet

Sources: Esri 2020

Figure 4-1
Sample Locations

12/22/2020

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Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 50 100 200 300 400
Feet

Figure 4-2
Geophysical Survey

12/22/2020

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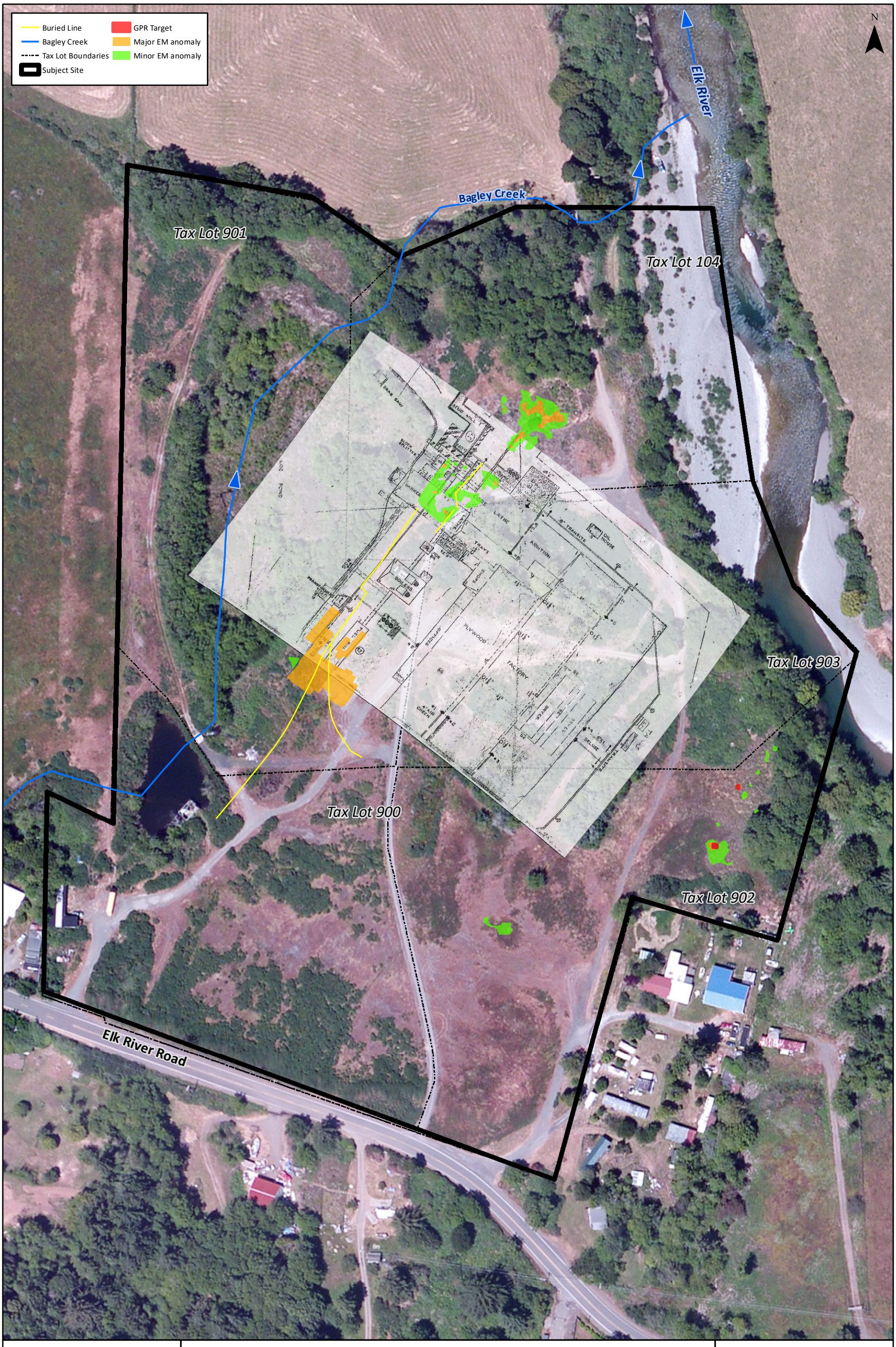

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 50 100 200 300 400
Feet

Sources: Esri 2020, Map Overlay-Curry County Assessor 2020

Figure 4-3
Geophysical Survey Data
(Historic Site Plan Overlay)

12/22/2020

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Tables

Table 4-1 Oregon Risk-Based Concentrations, Screening Level Values, and Analytical Detection Limits

Analyte	CAS #	Soil/Sediment								Water µg/L				
		Quantitation Limits by Method		Residential (RBC)		Clean Fill	Ecological (SLV)			Quantitation Limits by Method		Residential (RBC)	Ecological	
				DC	Leaching to GW		Soil*		Sediment (Freshwater)			IIT (GW)	Surface Water*	
Metals		ICP-AES (mg/kg)	ICP-MS (mg/kg)	(mg/kg)						ICP-AES (µg/L)	ICP-MS (µg/L)	(µg/L)		
Aluminum	7429-90-5	20	--	--	--	--	--		--	200	20	--	87	a
Antimony	7440-36-0	6	1	--	--	--	2.7	m	3	60	2	--	1000	m
Arsenic	7440-38-2	1	0.5	0.43	--	10	6.8	i	6	10	1	0.052	150	a
Barium	7440-39-3	20	5	1.5E+04	--	--	110	p	--	200	10	4000	4	a
Beryllium and compounds	7440-41-7	0.5	0.5	160	--	--	2.5	p	--	5	1	40	5.3	a
Cadmium (Diet)	7440-43-9	0.5	0.5	78	--	--	1.6	b	0.6	5	1	20	2.2	a
Calcium	7440-70-2	500	--	--	--	--	--		--	5000	500	--	1.2E+05	a
Chromium, Total	7440-47-3	1	1	1.2E+05	--	--	73	b	37	10	2	30000	11	a
Cobalt	7440-48-4	5	0.5	--	--	--	13	p	--	50	1	--	23	a
Copper	7440-50-8	2.5	1	3100	--	--	43	b	36	25	2	800	9	a
Iron	7439-89-6	10	--	--	--	--	--		--	100	200	--	1000	a
Lead and Compounds	7439-92-1	1	0.5	400	30	--	23	b	35	10	1	15	2.5	a
Magnesium	7439-95-4	500	--	--	--	--	--		--	5000	500	--	8.2E+04	a
Manganese	7439-96-5	1.5	0.5	--	--	--	220	p	1100	15	1	480	120	a
Mercury, Inorganic Salts	7487-94-7	0.1	0.1	--	--	23	0.05	i	--	0.2	0.2	--	--	
Nickel Soluble Salts	7440-02-0	4	0.5	--	--	--	21	m	18	40	1	--	52	a
Potassium	9/7/7440	500	--	--	--	--	--		--	5000	500	--	5.3E+04	a
Selenium	7782-49-2	3.5	2.5	--	--	--	0.52	p	--	35	5	--	5	a
Silver	7440-22-4	1	0.5	390	--	--	26	b	--	10	1	100	0.12	a
Sodium	7440-43-5	500	--	--	--	--	--		--	5000	500	--	6.8E+05	a
Thallium (Soluble Salts)	7440-28-0	2.5	0.5	--	--	0.78	--		--	25	1	--	40	a
Vanadium, Metallic	7440-62-2	5	2.5	--	--	--	9.5	b	--	50	5	--	20	a
Zinc (Metallic)	7440-66-6	6	1	--	--	--	120	b,i	123	60	2	--	120	a
SVOCs		CLP Low (µg/kg)	CLP SIM (µg/kg)	(µg/kg)						CLP Low (µg/L)	CLP SIM (µg/L)	(µg/L)		
1,1'-Biphenyl	92-52-4	170	--	--	--	520	--		--	5	--	--	14	a
1,2,4,5-Tetrachlorobenzene	95-94-3	170	--	--	--	470	--		--	5	--	--	--	
1,4-Dioxane	123-91-1	67	--	5400	2.3	2.3	3.6E+03	m	--	2	--	0.46	4.0E+03	m
2,2'-Oxybis(1-chloropropane)	108-60-1	330	--	--	--	16000	--		--	10	--	--	--	
2,3,4,6-Tetrachlorophenol	58-90-2	170	--	--	--	11000	--		--	5	--	--	--	
2-Chloronaphthalene	91-58-7	170	--	--	--	230000	--		--	5	--	--	32	a
2-Nitrophenol	88-75-5	170	--	--	--	--	--		--	5	--	--	--	
3-Methylphenol	108-39-4	na	--	--	--	690	6.9E+02	p,i	--	5	--	--	--	
3-Nitroaniline	99-09-2	330	--	--	--	70000	--		--	10	--	--	--	
4-Bromophenyl-phenyl ether	101-55-3	170	--	--	--	--	--		--	5	--	--	1.5	a
4-Chlorophenyl-phenyl ether	7005-72-3	170	--	--	--	--	--		--	5	--	--	--	
4-Nitrophenol	100-02-7	330	--	--	--	7000	--		--	10	--	--	--	
Acenaphthene	83-32-9	170	3.3	4.7E+06	--	--	2.5E+02	p	290	5	0.1	510	520	a
Acenaphthylene	208-96-8	170	3.3	--	--	--	1200000	m	--	5	0.1	--	--	
Acetophenone	98-86-2	330	--	--	--	--	--		--	10	--	--	--	

Table 4-1 Oregon Risk-Based Concentrations, Screening Level Values, and Analytical Detection Limits

Analyte	CAS #	Soil/Sediment							Water µg/L				
		Quantitation Limits by Method		Residential (RBC)		Clean Fill	Ecological (SLV)		Quantitation Limits by Method		Residential (RBC)	Ecological	
				DC	Leaching to GW		Soil*				IIT (GW)	Surface Water*	
Anthracene	120-12-7	170	3.3	2.3E+07	--	--	6800	p	57	5	0.1	--	13	a
Atrazine	1912-24-9	330	--	--	--	12	--		--	10	--	--	--	
Benz[a]anthracene	56-55-3	170	3.3	1100	1600	730	7300	b	32	5	0.1	0.03	0.027	a
Benzaldehyde	100-52-7	330	--	--	--	250	--		--	10	--	--	--	
Benzo(g,h,i)perylene	191-24-2	170	3.3	--	--	25000	250000	m	--	5	0.1	--	--	
Benzo[a]pyrene	50-32-8	170	3.3	110	4400	110	1.9E+05	m	32	5	0.1	0.0025	0.014	a
Benzo[b]fluoranthene	205-99-2	170	3.3	1100	6200	1100	1.8E+04	p	--	5	0.1	0.25	--	
Benzo[k]fluoranthene	207-08-9	170	3.3	1.1E+04	--	11000	--		27	5	0.1	--	--	
Bis(2-chloroethoxy)methane	111-91-1	170	--	--	--	780	--		--	5	--	--	--	
Bis(2-chloroethyl)ether	111-44-4	330	--	--	--	0.19	--		--	10	--	--	--	
Bis(2-ethylhexyl)phthalate	117-81-7	170	--	3.9E+04	--	20	200	b	750	5	--	5.6	3	a
Butyl Benzyl Phthalate	85-68-7	170	--	--	--	14000	9.0E+05	m	--	5	--	--	19	a
Caprolactam	105-60-2	330	--	--	--	150000	--		0	10	--	--	--	
Carbazole	86-74-8	330	--	--	--	79000	7.9E+05	m	140	10	--	--	--	
Chloroaniline, p-	106-47-8	330	--	--	--	9.6	1.0E+03	p	--	10	--	--	--	
Chlorophenol, 2-	95-57-8	170	--	--	--	390	3.9E+03	b	--	5	--	--	2000	a
Chrysene	218-01-9	170	3.3	1.1E+05	--	3100	31000	m	57	5	0.1	--	--	
Cresol, o-	95-48-7	330	--	--	--	670	670	p,i	--	10	--	--	--	
Cresol, p-	106-44-5	330	--	--	--	90000	--		--	10	--	--	--	
Cresol, p-chloro-m-	59-50-7	170	--	--	--	100000	--		--	5	--	--	--	
Dibenz[a,h]anthracene	53-70-3	170	3.3	110	2000	110	140000	m	33	5	0.1	0.025	--	
Dibenzofuran	132-64-9	170	--	--	--	2	6100	p,i	5100	5	--	--	3.7	a
Dibutyl Phthalate	84-74-2	170	--	--	--	11	110	b	110	5	--	--	35	a
Dichlorobenzidine, 3,3'-	91-94-1	330	--	1200	170	170	--		--	10	--	0.17	--	
Dichlorophenol, 2,4-	120-83-2	170	--	--	--	1400	--		--	5	--	--	3650	a
Diethyl Phthalate	84-66-2	170	--	--	--	100000	1.0E+05	p,i	--	5	--	--	--	
Dimethylphenol, 2,4-	105-67-9	170	--	--	--	20000	--		--	5	--	--	42	a
Dimethylphthalate	131-11-3	170	--	--	--	10000	1.0E+04	i	--	5	--	--	3	a
Dinitro-o-cresol, 4,6-	534-52-1	330	--	--	--	160	--		--	10	--	--	--	
Dinitrophenol, 2,4-	51-28-5	330	--	--	--	2600	--		--	10	--	--	--	
Dinitrotoluene, 2,4-	121-14-2	170	--	--	--	19	--		--	5	--	--	230	a
Dinitrotoluene, 2,6-	606-20-2	170	--	360	8.9	8.9	--		--	5	--	0.049	230	a
Di-n-octyl phthalate	117-84-0	330	--	--	--	910	4.6E+03	m	--	10	--	--	708	a
Fluoranthene	206-44-0	330	3.3	2.4E+06	--	10000	1.0E+04	i	111	10	0.1	--	6.16	a
Fluorene	86-73-7	170	3.3	3.1E+06	--	3700	3.7E+03	i	77	5	0.1	280	3.9	a
Hexachlorobenzene	118-74-1	170	--	210	18	18	7.9E+02	n	100	5	--	0.0098	--	
Hexachlorobutadiene	87-68-3	170	--	--	--	16	--		--	5	--	--	9.3	a
Hexachlorocyclopentadiene	77-47-4	330	--	--	--	78	--		--	10	--	--	5.2	a
Hexachloroethane	67-72-1	170	--	7400	22	22	--		--	5	--	0.34	5.2	a
Indeno[1,2,3-cd]pyrene	193-39-5	170	3.3	1100	--	1100	7.1E+05	m	17	5	0.1	--	--	
Isophorone	78-59-1	170	--	--	--	1600	--		--	5	--	--	--	
Methylnaphthalene, 2-	91-57-6	170	3.3	--	--	11000	1.6E+05	m	--	5	0.1	--	--	

Table 4-1 Oregon Risk-Based Concentrations, Screening Level Values, and Analytical Detection Limits

Analyte	CAS #	Soil/Sediment								Water µg/L				
		Quantitation Limits by Method		Residential (RBC)		Clean Fill	Ecological (SLV)			Quantitation Limits by Method		Residential (RBC)	Ecological	
				DC	Leaching to GW		Soil*		Sediment (Freshwater)			IIT (GW)	Surface Water*	
Naphthalene	91-20-3	170	3.3	5300	77	77	1.0E+03	p	176	5	0.1	0.17	620	a
Nitroaniline, 2-	88-74-4	170	--	--	--	4800	1.0E+04	m	--	5	--	--	--	
Nitroaniline, 4-	100-01-6	330	--	--	--	96	--		--	10	--	--	--	
Nitrobenzene	98-95-3	170	--	--	--	5.5	2200	i	--	5	--	--	540	a
Nitroso-di-N-propylamine, N-	621-64-7	170	--	--	--	0.94	--		--	5	--	0.011	117	a
Nitrosodiphenylamine, N-	86-30-6	170	--	1.1E+05	1.00E+04	1.00E+04	--		--	5	--	13	210	a
Pentachlorophenol	87-86-5	330	6.7	1000	66	66	3600	b	--	10	0.2	0.044	15	a
Phenanthrene	85-01-8	170	3.3	--	--	5500	5.5E+03	i	42	5	0.1	--	6.3	a
Phenol	108-95-2	330	--	--	--	790	7.9E+02	p	48	10	--	--	110	a
Pyrene	129-00-0	170	3.3	1.8E+06	--	10000	1.0E+04	i	53	5	0.1	110	--	
Trichlorophenol, 2,4,5-	95-95-4	170	--	--	--	4000	--		--	5	--	--	--	
Trichlorophenol, 2,4,6-	88-06-2	170	--	4.9E+04	2400	2400	--		--	5	--	4.4	970	a
VOCs		**CLP Low (µg/kg)**	**--**	**(µg/kg)**						**CLP Low (µg/L)**	**CLP Trace (µg/L)**	**(µg/L)**		
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	--	4.0E+08	--	1600000	--		--	5	0.5	55000	--	
1,3-Dichlorobenzene	541-73-1	5	--	--	--	--	7.4E+03	m	--	5	0.5	--	71	a
Acetone	67-64-1	10	--	--	--	--	6.3E+03	m	--	10	5	--	1500	a
Benzene	71-43-2	5	--	8200	23	--	2.4E+05	m	--	5	0.5	0.46	130	a
Bromochloromethane	74-97-5	5	--	--	--	--	--		--	5	0.5	--	--	
Bromodichloromethane	75-27-4	5	--	3400	2	--	--		--	5	0.5	0.13	--	
Bromoform	75-25-2	5	--	5.7E+04	46	--	--		--	5	0.5	3.3	--	
Bromomethane	74-83-9	5	--	4.6E+04	93	--	--		--	5	0.5	7.5	--	
Carbon Disulfide	75-15-0	5	--	--	--	810	8.1E+03	m	--	5	0.5	--	0.92	a
Carbon Tetrachloride	56-23-5	5	--	7500	13	13	9.8E+03	m	--	5	0.5	0.46	74	a
Chlorobenzene	108-90-7	5	--	5.3E+05	5800	2400	2.4E+03	i	--	5	0.5	77	50	a
Chloroethane	75-00-3	5	--	1.6E+08	3.10E+05	3.10E+05	--		--	5	0.5	21000	--	
Chloroform	67-66-3	5	--	5800	3.4	3.4	2.1E+04	m	--	5	0.5	0.22	1240	a
Chloromethane	74-87-3	5	--	1.4E+06	2200	2200	--		--	5	0.5	190	--	
cis-1,3-Dichloropropene	10061-01-5	5	--	--	--	--	--		--	5	0.5	--	--	
Cyclohexane	110-82-7	5	--	--	--	780000	--		--	5	0.5	--	--	
Dibromo-3-chloropropane, 1,2-	96-12-8	5	--	--	--	0.008	--		--	5	0.5	--	--	
Dibromochloromethane	124-48-1	5	--	3700	2.4	2.4	--		--	5	0.5	0.17	--	
Dibromoethane, 1,2-	106-93-4	5	--	160	0.12	0.12	--		--	5	0.5	0.0075	--	
Dichlorobenzene, 1,2-	95-50-1	5	--	2.2E+06	4.30E+04	9.20E+02	9.2E+03	m	--	5	0.5	300	14	a
Dichlorobenzene, 1,4-	106-46-7	5	--	1.4E+04	57	57	1.2E+03	i	--	5	0.5	0.48	15	a
Dichlorodifluoromethane	75-71-8	5	--	--	--	18000	--		--	5	0.5	--	--	
Dichloroethane, 1,1-	75-34-3	5	--	5.8E+04	44	44	2.1E+06	m	--	5	0.5	280	47	a
Dichloroethane, 1,2-	107-06-2	5	--	3600	2.8	2.8	1.6E+03	b	--	5	0.5	0.17	2.0E+04	a
Dichloroethylene, 1,1-	75-35-4	5	--	--	--	6700	6.0E+04	m	--	5	0.5	--	25	a
Dichloroethylene, 1,2-cis-	156-59-2	5	--	1.6E+05	630	630	--		--	5	0.5	36	590	a
Dichloroethylene, 1,2-trans-	156-60-5	5	--	1.6E+06	7000	7000	--		--	5	0.5	360	590	a
Dichloropropane, 1,2-	78-87-5	5	--	--	--	17	--		--	5	0.5	--	5700	a

Table 4-1 Oregon Risk-Based Concentrations, Screening Level Values, and Analytical Detection Limits

Analyte	CAS #	Soil/Sediment								Water µg/L				
		Quantitation Limits by Method		Residential (RBC)		Clean Fill	Ecological (SLV)			Quantitation Limits by Method		Residential (RBC)	Ecological	
				DC	Leaching to GW		Soil*		Sediment (Freshwater)			IIT (GW)	Surface Water*	
Ethylbenzene	100-41-4	5	--	3.4E+04	220	220	--		--	5	0.5	1.5	7.3	a
Hexanone, 2-	591-78-6	10	--	--	--	360	3.6E+03	p	--	10	5	--	99	a
Isopropylbenzene	98-82-8	5	--	3.5E+06	9.60E+04	9.60E+04	--		--	5	0.5	440	--	
Methyl Acetate	79-20-9	5	--	--	--	250000	--		--	5	0.5	--	--	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10	--	--	--	72000	9.2E+05	m	--	10	5	--	1.4E+07	m
Methyl Isobutyl Ketone	108-10-1	10	--	--	--	9700	9.7E+04	m	--	10	5	--	--	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	5	--	2.5E+05	110	110	--		--	5	0.5	14	--	
Methylcyclohexane	108-87-2	5	--	--	--	--	--		--	5	0.5	--	--	
Methylene Chloride	75-09-2	5	--	7.6E+04	140	140	2.2E+04	m	--	5	0.5	11	2200	a
Styrene	100-42-5	5	--	7.9E+06	1.70E+05	1.20E+03	1.2E+03	i	--	5	0.5	1200	--	
Tetrachloroethane, 1,1,2,2-	79-34-5	5	--	--	--	1.8	--		--	5	0.5	--	2400	a
Tetrachloroethylene	127-18-4	5	--	2.2E+05	460	180	9.4E+02	m	--	5	0.5	12	840	a
Toluene	108-88-3	5	--	5.8E+06	8.40E+04	2.30E+04	2.0E+05	p	--	5	0.5	1100	9.8	a
trans-1,3-Dichloropropene	10061-02-6	5	--	--	--	--	--		--	5	0.5	--	--	
Trichlorobenzene, 1,2,3-	87-61-6	5	--	--	--	1300	--		--	5	0.5	--	--	
Trichlorobenzene, 1,2,4-	120-82-1	5	--	--	--	200	1.2E+03	i	--	5	0.5	--	--	
Trichloroethane, 1,1,1-	71-55-6	5	--	5.3E+07	2.10E+05	1.90E+05	1.3E+06	m	--	5	0.5	8000	11	a
Trichloroethane, 1,1,2-	79-00-5	5	--	3200	6.3	6.3	--		--	5	0.5	0.28	9400	a
Trichloroethylene	79-01-6	5	--	6700	13	13	4.2E+05	m	--	5	0.5	0.49	3000	m
Trichlorofluoromethane	75-69-4	5	--	7.6E+06	6.10E+04	5.20E+04	3.5E+05	m	--	5	0.5	1100	--	
Vinyl Chloride	75-01-4	5	--	360	0.57	0.57	1.2E+03	m	--	5	0.5	0.027	1300	m
Xylene, m,p-	179601-23-1	5	--	--	--	--	--		--	5	0.5	--	--	
Xylene, o-	95-47-6	5	--	--	--	1000	--		--	5	0.5	--	--	
PCBs		**CLP - Low (µg/kg)**	**--**	**(µg/kg)**						**CLP - Low (µg/L)**	**--**	**(µg/L)**		
Aroclor 1016	12674-11-2	33	--	230	240	1100	--		--	1	--	--	--	
Aroclor 1221	11104-28-2	33	--	230	240	5	--		--	1	--	--	0.28	a
Aroclor 1232	11141-16-5	33	--	230	240	5	--		--	1	--	--	0.58	a
Aroclor 1242	53469-21-9	33	--	230	240	41	--		--	1	--	--	0.053	a
Aroclor 1248	12672-29-6	33	--	230	240	7	--		21	1	--	--	0.081	a
Aroclor 1254	11097-69-1	33	--	230	240	41	--		7	1	--	--	0.033	a
Aroclor 1260	11096-82-5	33	--	230	240	240	--		--	1	--	--	94	a
Aroclor 1262	37324-23-5	33	--	230	240	--	--		--	1	--	--	--	
Aroclor 1268	11100-14-4	33	--	230	240	--	--		--	1	--	--	--	
Total PCBs	1336-36-3	33	--	230	240	--	0.73		--	1	--	0.006	0.014	a
Dioxins		**CLP - HRMS (µg/kg)**	**--**	**(µg/kg)**						**CLP - HRMS (µg/L)**		**(µg/L)**		
2,3,7,8-TCDD (dioxin equivalents)	1746-01-6	0.001	--	0.0047	0.0068	0.00029	0.00025	m	0.009	0.00001	--	0.000000091	0.0076	m
1,2,3,7,8-PeCDD	40321-76-4	0.005	--	--	--	--	0.00028	m	--	0.00005	--	--	--	
1,2,3,4,7,8-HxCDD	39227-28-6	0.005	--	--	--	--	0.0012	m	--	0.00005	--	--	--	
1,2,3,6,7,8-HxCDD	57653-85-7	0.005	--	--	--	--	0.00089	m	--	0.00005	--	--	--	
1,2,3,7,8,9-HxCDD	19408-74-3	0.005	--	--	--	--	0.00089	m	--	0.00005	--	--	--	

Table 4-1 Oregon Risk-Based Concentrations, Screening Level Values, and Analytical Detection Limits

Analyte	CAS #	Soil/Sediment							Water µg/L				
		Quantitation Limits by Method		Residential (RBC)		Clean Fill	Ecological (SLV)		Quantitation Limits by Method		Residential (RBC)	Ecological	
				DC	Leaching to GW		Soil*	Sediment (Freshwater)			IIT (GW)	Surface Water*	
1,2,3,4,6,7,8-HpCDD	35822-46-9	0.005	--	--	--	--	0.007 [m]	--	0.00005	--	--	--	
OCDD	3268-87-9	0.01	--	--	--	--	0.3 [m]	--	0.0001	--	--	--	
2,3,7,8-TCDF	51207-31-9	0.001	--	--	--	--	0.003 [m]	--	0.00001	--	--	--	
1,2,3,7,8-PeCDF	57117-41-6	0.005	--	--	--	--	0.0065 [m]	--	0.00005	--	--	--	
2,3,4,7,8-PeCDF	57117-31-4	0.005	--	--	--	--	0.00065 [m]	--	0.00005	--	--	--	
1,2,3,4,7,8-HxCDF	70648-26-9	0.005	--	--	--	--	0.0011 [m]	--	0.00005	--	--	--	
1,2,3,6,7,8-HxCDF	57117-44-9	0.005	--	--	--	--	0.0011 [m]	--	0.00005	--	--	--	
1,2,3,7,8,9-HxCDF	72918-21-9	0.005	--	--	--	--	0.0014 [m]	--	0.00005	--	--	--	
2,3,4,6,7,8-HxCDF	60851-34-5	0.005	--	--	--	--	0.0011 [m]	--	0.00005	--	--	--	
1,2,3,4,6,7,8-HpCDF	67562-39-4	0.005	--	--	--	--	0.011 [m]	--	0.00005	--	--	--	
1,2,3,4,7,8,9-HpCDF	55673-89-7	0.005	--	--	--	--	0.011 [m]	--	0.00005	--	--	--	
OCDF	39001-02-0	0.01	--	--	--	--	0.22 [m]	--	0.0001	--	--	--	
Formaldehyde		**SW846-556 (mg/kg)**	**--**	**(mg/kg)**					**SW846-556 (µg/L)**		**(µg/L)**		
Formaldehyde	50-00-0	0.1	--	15	0.002	0.002	19,000 [m]	--	2	--	0.43	184000 [m]	
TPH		**NWTPH (mg/kg)**	**--**	**(mg/kg)**					**NWTPH (µg/L)**		**(µg/L)**		
Gasoline	GRO	10	--	--	--	31	120 [p,i]	--	250	--	--	--	
Diesel	DRO	40	--	--	--	1,100	260 [p,i]	--	250	--	--	--	
Lube/Fuel oil	DRO	100	--	--	--	1,100	260 [p,i]	--	500	--	--	--	

Notes:

3.3 Yellow highlighting indicates MS, SIM, or Trace analysis requireed to meet regulatory screenign levels

0.002 Orange highlighting indicated that a modified analysis would be required to achieve reporting limits below regulatory screening levels

* = Value is the most restricitive Level II Screening Level Value for the given media. Letter to right of value is used to indicate associated receptor

[a] = Aquatic [i] = Invertebraes [p] = Plants

[b] = Birds [m] = Mammals

Key:

-- = No associated cleanup level or value.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
CAS = Chemical Abstracts Service
CLP = Contract Laboratory Program
DC = Direct Contact
GW = Groundwater
HPLC = High Performance Liquid Chromotography
HRMS = High Resolution Mass Spectometry
HpCDD = Heptachlorodibenzo-p-dioxin
HpCDF = Heptachlorodibenzo-furan
HxCDD = Hexachlorodibenzo-p-dioxin
HxCDF = Hexachlorodibenzo-furan
ICP-AES = Inductively coupled plasma atomic emission spectroscopy
ICP-MS = Inductively coupled plasma mass spectrometry
IIT = Ingestion and Inhalation from Tapwater
>Max = The constituent is deemed not to pose risks in this scenario due to solubility and vapor pressure limitations
mg/kg = milligrams per kilogram
NWTPH = Northwest Total Petroleum Hydrocarbon
OCDD = Octachlorodibenzodioxin
OCDF = Octachlorodibenzofuran
PeCDD = Pentachlorodibenzo-p-dioxin
PeCDF = Pentachlorodibenzo-furan
RBC = Risk Based Concentration
>S = The groundwater risk-based concentration exceeds the solubility limit.
SLV = Level II Screening Level Value
SVOCs = Semivolatile organic compounds
TPH = Total petroleum hydrocarbons
TCDD = Tetrachlorodibenzo-p-dioxin
TCDF = Tetrachlorodibenzo-furan
VI = Vapor Intrusion into Buildings
VOCs = Volatile organic compounds
VTO = Volatilization to Outdoor Air

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Table 4-2 Sample Analysis Summary

Sample Location ID	EPA Regional Tracking Number	CLP Sample Number	Sample Date	Sample Time	Sample Matrix	Sample Interval (bgs)	Sampler	Soil/Sediment								Water								ISM Soil		Description
								SVOCs-SIM & PCBs	SVOC-SIM	VOCs Low	TAL Metals AES & ICP w/Hg	Dioxins/Furans	TOC	NWTPH-Dx	NWTPH-Gx	PCBs	SVOCs - Trace + SIM	VOCs -Trace	TAL Metals AES & ICP w/Hg	Dioxins/Furans	Formaldehyde	NWTPH-Dx	NWTPH-Gx	ISM-TAL Metals Hg/SVOC-SIM/PCDD PCDF	ISM-TAL Metals Hg/SVOC-SIM/PCDD/TOC	
Former Maintenance Building																										
SL01GP01	20375600	JLTQ0	9/9/2020	9:58	Soil Subsurface	0 - 4 ft	B. Ciecko	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL01GW	20375677	JLTZ7	9/9/2020	12:32	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375678	MJLTZ8	9/9/2020	12:32	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL02GP01	20375602	JLTQ2	9/9/2020	11:17	Soil Subsurface	0 - 4 ft	B. Ciecko	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
EW01GW	20385679	JLTZ9	9/14/2020	14:05	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	X	X	X	--	--	Groundwater sample from supply well northeast of building
	20385680	MJLW00	9/14/2020	14:05	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
Log Pond Perimeter																										
SL03TP01	20375604	JLTQ4	9/9/2020	13:09	Soil Subsurface	1 - 2 ft	J. Leeson	--	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Materials went from dry poorly graded river rock and silt to a clayey poorly graded gravel with high moisture content at approximately 5 feet bgs.
SL03TP02	20375605	JLTQ5	9/9/2020	13:00	Soil Subsurface	5 - 6 ft	J. Leeson	--	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TP3GW	20385681	JLW01	9/13/2020	9:19	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	--	--	Groundwater sample collected adjacent to SL03TP using SP16 temporary well screen advanced by Geoprobe to water table. Screen set from 16 to 20 feet bgs.
	20385682	MJLW02	9/13/2020	9:19	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL04TP01	20375606	JLTQ6	9/10/2020	16:24	Soil Subsurface	1 - 2 ft	S. Wing	--	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Test pit reached 4 feet bgs, encountering a hard packed matrix of gravel and river rock, presenting difficulties for the excavator to dig down.
SL23TP01	20375644	JLTW4	9/10/2020	13:06	Soil Subsurface	2 -3 ft	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Material encountered was a relatively homogeneous clayey silt throughout with no obvious signs of human activity or fill and a more pronounced red color in the upper 2 feet of excavation.
SL23TP02	20375645	JLTW5	9/10/2020	12:59	Soil Subsurface	9 - 10 ft	S. Wing	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	
TP23GW	20385715	JLW35	9/14/2020	10:35	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	--	--	X	--	--	--	--	--	Groundwater sample collected adjacent to SL23TP using SP16 temporary well screen advanced by Geoprobe to water table. Screened set from 16 to 20 feet bgs.
	20385716	MJLW36	9/14/2020	10:35	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL24TP01	20375646	JLTW6	9/10/2020	14:15	Soil Subsurface	3 - 4 ft	S. Wing	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Materials were a dark loamy soil with occasional cobbles. Industrial debris, wood, and burnt materials were found in small quantities throughout the profile. No obvious sign of native material encountered at base of excavation.
SL24TP02	20375647	JLTW7	9/10/2020	14:07	Soil Subsurface	8 - 9 ft	J. Leeson	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	
SL25TP01	20375648	JLTW8	9/10/2020	14:53	Soil Subsurface	2 -3 ft	J. Leeson	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Gravel, soil, loam mixture, with some woody debris. Very dry, little moisture with fine root activity near surface. Minimal industrial debris. Material changed to an anaerobic silty clay with fine woody/organic debris below at 9 feet bgs.
SL25TP02	20375649	JLTW9	9/10/2020	14:41	Soil Subsurface	9 - 10 ft	J. Leeson	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	
TP25GW	20385717	JLW37	9/13/2020	16:20	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	--	--	X	--	--	--	--	--	Groundwater sample collected adjacent to SL25TP using SP16 temporary well screen advanced by Geoprobe to water table. Screen set from 20 to 24 feet bgs.
	20385718	MJLW38	9/13/2020	16:20	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL26TP01	20375650	JLTX0	9/10/2020	15:29	Soil Subsurface	2 -3 ft	J. Leeson	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Loamy soil with gravel, wood debris in the upper 6 feet, with significant roots near surface. Transitions to a distinct, blueish, likely anaerobic clay layer at 6 to 7 feet
SL26TP02	20375651	JLTX1	9/10/2020	15:18	Soil Subsurface	6 - 7 ft	S. Wing	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	
SL27TP01	20375652	JLTX2	9/10/2020	17:21	Soil Subsurface	7 - 8 ft	S. Wing	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Upper 6 feet of pit was predominantly gravel with cobbles, shifting to clay at 6 to 7 feet bgs.
PCP in Groundwater and Potential UST																										
SL05GP01	20375608	JLTQ8	9/9/2020	15:51	Soil Subsurface	0 - 4 ft	B. Ciecko	--	X	X	X	X	X	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL05GP02	20375609	JLTQ9	9/9/2020	16:07	Soil Subsurface	4 - 8 ft	B. Ciecko	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL05GW	20375685	JLW05	9/9/2020	17:51	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375686	MJLW06	9/9/2020	17:51	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL06GP01	20375610	JLTR0	9/9/2020	17:04	Soil Subsurface	0 - 4 ft	B. Ciecko	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL06GP02	20375611	JLTR1	9/9/2020	17:24	Soil Subsurface	4 - 8 ft	B. Ciecko	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL06GW	20375687	JLW07	9/10/2020	9:34	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375688	MJLW08	9/10/2020	9:34	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL07GP01	20375612	JLTR2	9/10/2020	8:42	Soil Subsurface	0 - 4 ft	B. Ciecko	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL07GP02	20375613	JLTR3	9/10/2020	10:24	Soil Subsurface	8 - 12 ft	B. Ciecko	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL07GW	20375689	JLW09	9/10/2020	12:17	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375690	MJLW10	9/10/2020	12:17	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL08TP01	20375614	JLTR4	9/9/2020	13:45	Soil Subsurface	3 - 4 ft	J. Leeson	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Soils alternated between clay, silt, and sand all the way down, with more clay starting at 3 feet bgs. Very little to no gravel or rock throughout the profile. Profile appeared to consist of alluvial deposits with no discernable evidence of fill material.
SL08TP02	20375615	JLTR5	9/9/2020	14:11	Soil Subsurface	8 - 9 ft	J. Leeson	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	
Former Transformer Location																										
SL09GP01	20375616	JLTR6	9/10/2020	11:32	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	X	--	--	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL10GP01	20375618	JLTR8	9/10/2020	12:39	Soil Subsurface	4 - 8 ft	M. Talaia-Murray	X	--	--	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.

Table 4-2 Sample Analysis Summary

Sample Location ID	EPA Regional Tracking Number	CLP Sample Number	Sample Date	Sample Time	Sample Matrix	Sample Interval (bgs)	Sampler	Soil/Sediment								Water								ISM Soil		Description
								SVOCs-SIM & PCBs	SVOC-SIM	VOCs Low	TAL Metals AES & ICP w/Hg	Dioxins/Furans	TOC	NWTPH-Dx	NWTPH-Gx	PCBs	SVOCs - Trace + SIM	VOCs -Trace	TAL Metals AES & ICP w/Hg	Dioxins/Furans	Formaldehyde	NWTPH-Dx	NWTPH-Gx	ISM-TAL Metals Hg/SVOC-SIM/PCDD PCDF	ISM-TAL Metals Hg/SVOC-SIM/PCDD/TOC	
SL10GW	20375691	JLW11	9/10/2020	14:21	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	X	X	--	--	--	--	X	--	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375692	MJLW12	9/10/2020	14:21	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
Potential Eastern Waste Disposal Area and UST Location																										
SL11TP01	20375620	JLTS0	9/11/2020	10:48	Soil Subsurface	3 - 4 ft	S. Wing	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration.. Upper 3 feet included a significant amount of metal industrial debris, including what appeared to be a crushed 55-gallon drum. Sample SL1TP01 was collected just below debris of dark reddish brown soils with some black patches. Large cobbles became dominant at 5 feet bgs, limiting full depth of excavation to 7 feet bgs.
SL11TP02	20375621	JLTS1	9/11/2020	11:33	Soil Subsurface	6 - 7 ft	J. Leeson	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	
TP11GW	20375693	JLW13	9/13/2020	11:06	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	--	X	X	--	--	Groundwater sample collected adjacent to SL11TP using SP16 temporary well screen advanced by Geoprobe to water table. Screen set from 8 to 12 feet bgs.
	20385694	MJLW14	9/13/2020	11:06	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL12TP01	20375622	JLTS2	9/11/2020	10:03	Soil Subsurface	3 - 4 ft	S. Wing	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Soils consisted of river rock, gravel, and silty loam mixed together with some woody debris. In a grassland area with significant fine root activity in the top 1 to 2 feet bgs. Very dry soil from 0 to 5 feet bgs. Intact 55-gallon drum encountered at approximately 2 feet bgs in fairly good condition, no obvious sign of leakage. Top of drum was breached (2 by 6 inch tear) by a tooth of the excavator. A hard, crystal-like, red-amber color, homogeneous material was found inside the drum from the breach. Sample SL12TP01 taken just south and below drum. Significant change in color and moisture at 7 feet bgs to a grey well-graded saturated gravel.
SL12TP02	20375623	JLTS3	9/11/2020	10:14	Soil Subsurface	7 - 8 ft	J. Leeson	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	
TP12GW	20385695	JLW15	9/13/2020	14:22	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	--	X	X	--	--	Groundwater sample collected adjacent to SL12TP using SP16 temporary well screen advanced by Geoprobe to water table. Screen set from 8 to 12 feet bgs.
	20385696	MJLW16	9/13/2020	14:22	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL13TP01	20375624	JLTS4	9/11/2020	12:59	Soil Subsurface	1 - 2 ft	J. Leeson	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Seemingly native clay for whole profile. Hit hard rocks (possibly cobbles) at 5 feet bgs, unable to excavate deeper.
SL13TP02	20375625	JLTS5	9/11/2020	12:51	Soil Subsurface	4 - 5 ft	S. Wing	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	
TP13GW	20385697	JLW17	9/14/2020	12:24	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	--	X	X	--	--	Groundwater sample collected adjacent to SL13TP using SP16 temporary well screen advanced by Geoprobe to water table. Screen set from 8 to 12 feet bgs.
	20385698	MJLW18	9/14/2020	12:24	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
OP01GP01	20385601	JLTQ1	9/13/2020	10:20	Soil Subsurface	4 - 8 ft	M. Talaia-Murray	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
OP01GW	20385734	JLW54	9/13/2020	12:51	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20385733	MJLW53	9/13/2020	12:51	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
OP01TP01	20375665	JLTY5	9/11/2020	13:25	Soil Subsurface	4 - 5 ft	J. Leeson	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Sand, silt, and gravel with significant amount of debris and trash encountered from 0 to 5 feet bgs. Soils with a strong tar or creosote-like odor encountered at 5 feet bgs. PID readings of up to 30,000 ppb encountered in bagged and equilibrated soil. Trash extended to the full depth of excavation (7 feet bgs). Samples collected from above (OP01TP01), at (OP01TP02), and below (OP01TP03) soils with strong odors.
OP01TP02	20375666	JLTY6	9/11/2020	13:45	Soil Subsurface	6 - 7 ft	S. Wing	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	
OP01TP03	20375617	JLTR7	9/11/2020	14:13	Soil Subsurface	7 - 7.5 ft	S. Wing	--	X	X	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--	
EW02GW	20385699	JLW19	9/14/2020	15:35	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	--	X	X	X	--	--	Groundwater sample from concrete-cased, large diameter well north in tree line, north of OP01TP.
	20385700	MJLW20	9/14/2020	15:35	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
Southern Wigwam Burner																										
SL14GP01	20375626	JLTS6	9/10/2020	13:54	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL14GP02	20375627	JLTS7	9/10/2020	16:25	Soil Subsurface	12 - 6 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL15GP01	20375628	JLTS8	9/11/2020	9:16	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL15GP02	20375629	JLTS9	9/11/2020	9:53	Soil Subsurface	12 - 16 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL15GW	20375703	JLW23	9/11/2020	11:16	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375704	MJLW24	9/11/2020	11:16	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL16TP01	20375630	JLTT0	9/10/2020	9:25	Soil Subsurface	10 - 12 in	S. Wing	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Sample of black layer apparently related to past burning activity, very light in weight with a high organic content.
SL16TP02	20375631	JLTT1	9/10/2020	10:12	Soil Subsurface	13 - 18 in	J. Leeson	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Sample of very dense, hard, light tan material that appeared to have been a consolidated ash-like material.
SL16TP03	20375663	JLTY3	9/10/2020	9:47	Soil Subsurface	18 - 36 in	S. Wing	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Sample of bright orange/red silt.

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Sample Location ID	EPA Regional Tracking Number	CLP Sample Number	Sample Date	Sample Time	Sample Matrix	Sample Interval (bgs)	Sampler	Soil/Sediment								Water								ISM Soil		Description
								SVOCs-SIM & PCBs	SVOC-SIM	VOCs Low	TAL Metals AES & ICP w/Hg	Dioxins/Furans	TOC	NWTPH-Dx	NWTPH-Gx	PCBs	SVOCs - Trace + SIM	VOCs -Trace	TAL Metals AES & ICP w/Hg	Dioxins/Furans	Formaldehyde	NWTPH-Dx	NWTPH-Gx	ISM-TAL Metals Hg/SVOC-SIM/PCDD PCDF	ISM-TAL Metals Hg/SVOC-SIM/PCDD/TOC	
SL16TP04	20375664	JLTY4	9/10/2020	10:25	Soil Subsurface	48 - 60 in	J. Leeson	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Silty sand layer found below orange/red silt that extended to the bottom of excavation at 10 feet bgs. Material is similar in composition to deeper soils found in nearby test pits.
SL17GP01	20375632	JLTT2	9/11/2020	10:30	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL17GP02	20375633	JLTT3	9/11/2020	12:37	Soil Subsurface	20 - 24 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL18GP01	20375634	JLTT4	9/12/2020	8:52	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL18GP02	20375635	JLTT5	9/12/2020	9:38	Soil Subsurface	12 - 16 ft	B. Ciecko	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL18GW	20375707	JLW27	9/12/2020	11:10	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375708	MJLW28	9/12/2020	11:10	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
OP02TP01	20375619	JLTR9	9/11/2020	15:03	Soil Subsurface	1 - 2 ft	J. Leeson	--	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Sample of soils from debris pile in southern wigwam burner footprint, collected from materials with evidence of burning and abundant charcoal, burnt woody debris, and slag-like material.
Former Stud Mill and Vicinity																										
SL19TP01	20375636	JLTT6	9/9/2020	15:14	Soil Subsurface	3 - 4 ft	J. Leeson	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Test pit exploration. Materials included a mix of river rock and poorly graded gravel with silt from the ground to approximately 3.5 feet bgs where a large metal plate was encountered. A homogeneous clay/silt was encountered below the plate to the bottom of excavation (7 feet bgs). An approximately 6-inch diameter metal pipeline was encountered at 6 feet bgs. Samples were collected from above the plate (SL19TP01) and under the pipeline (SL19TP02).
SL19TP02	20375637	JLTT7	9/9/2020	15:45	Soil Subsurface	6 - 7 ft	J. Leeson	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	
SL20GP01	20375638	JLTT8	9/11/2020	13:40	Soil Subsurface	0 - 4 ft	B. Ciecko	--	X	X	X	X	X	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL20GW	20375709	JLW29	9/11/2020	15:34	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375710	MJLW30	9/11/2020	15:34	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL21GP01	20375640	JLTW0	9/12/2020	10:10	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL21GW	20375711	JLW31	9/12/2020	12:40	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375712	MJLW32	9/12/2020	12:40	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
SL22GP01	20375642	JLTW2	9/12/2020	10:44	Soil Subsurface	0 - 4 ft	M. Talaia-Murray	--	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--	--	--	Geoprobe boring. See borehole log for soil description.
SL22GW	20375713	JLW33	9/12/2020	14:00	GW (Total)	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	--	X	--	X	X	--	--	Groundwater sample from Geoprobe boring. See borehole log for information on depth to groundwater and screened interval.
	20375714	MJLW34	9/12/2020	14:00	GW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
ISM Samples																										
DU01SS	20375667	NA	9/12/2020	17:10	Soil Surface	0 - 4 cm	S. Wing	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU01 area near northeast corner of log pond, where high dioxins concentrations had been identified.
DU02SS	20385668	NA	9/13/2020	15:26	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	ISM sample from DU02 targeting footprint of northern wigwam burner.
DU03SS	20385669	NA	9/13/2020	14:48	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU03 targeting crescent arc west of northern wigwam burner
DU04SS	20385670	NA	9/13/2020	16:41	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU04 targeting crescent arc east of northern wigwam burner
DU05SS	20385671	NA	9/13/2020	10:04	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU05 targeting area west of debris pile in vicinity of southern wigwam burner footprint.
DU06SS	20385672	NA	9/13/2020	11:30	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	ISM sample DU06 targeting debris pile in vicinity of southern wigwam burner footprint.
DU06SS-R	20385675	NA	9/13/2020	11:30	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU06 targeting debris pile in vicinity of southern wigwam burner footprint. Duplicate sample of DU06SS, collected 1 foot west of that sample.
DU06SS-T	20385676	NA	9/13/2020	11:30	Soil Surface	0 - 4 cm	J. Leeson	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU06 targeting debris pile in vicinity of southern wigwam burner footprint. Triplicate sample of DU06SS, collected 1 foot north of that sample.
DU07SS	20385673	NA	9/13/2020	10:45	Soil Surface	0 - 4 cm	S. Wing	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--	ISM sample from DU07 targeting area east of debris pile in vicinity of southern wigwam burner footprint.
DU08SS	20375674	NA	9/12/2020	15:40	Soil Surface	0 - 4 cm	S. Wing	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	X	Background ISM sample collected from DU08 where former log storage area on southern portion of site.

Table 4-2 Sample Analysis Summary

Sample Location ID	EPA Regional Tracking Number	CLP Sample Number	Sample Date	Sample Time	Sample Matrix	Sample Interval (bgs)	Sampler	Soil/Sediment								Water								ISM Soil		Description
								SVOCs-SIM & PCBs	SVOC-SIM	VOCs Low	TAL Metals AES & ICP w/Hg	Dioxins/Furans	TOC	NWTPH-Dx	NWTPH-Gx	PCBs	SVOCs - Trace + SIM	VOCs -Trace	TAL Metals AES & ICP w/Hg	Dioxins/Furans	Formaldehyde	NWTPH-Dx	NWTPH-Gx	ISM-TAL Metals Hg/SVOC-SIM/PCDD PCDF	ISM-TAL Metals Hg/SVOC-SIM/PCDD/TOC	
Former Log Pond																										
PD01SD	20375654	JLTX4	9/9/2020	14:00	Sediment Surface	0 - 6 in	B. Ciecko	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Co-located sediment and surface water sample collected from as close as practicable to the outlet from the log pond to Bagley Creek
PD01SW	20375719	JLW39	9/11/2020	17:18	SW (Total)	NA	J. Leeson	--	--	--	--	--	--	--	--	--	X	--	X	X	--	--	--	--	--	
	20375720	MJLW40	9/11/2020	17:18	SW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
PD02SD	20375655	JLTX5	9/9/2020	14:16	Sediment Surface	0 - 6 in	B. Ciecko	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Sediment sample collected from northwest corner of log pond.
PD03SD	20375656	JLTX6	9/9/2020	14:34	Sediment Surface	0 - 6 in	B. Ciecko	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Sediment sample collected from northeast corner of log pond.
PD04SD	20375657	JLTX7	9/12/2020	9:06	Sediment Surface	0 - 6 in	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Sediment sample collected near center of log pond.
PD05SD	20375658	JLTX8	9/12/2020	9:40	Sediment Surface	0 - 6 in	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Co-located sediment and surface water sample collected from creek channel running from the fire suppression pond to the log pond.
PD05SW	20375721	JLW41	9/12/2020	10:02	SW (Total)	NA	J. Leeson	--	--	--	--	--	--	--	--	--	X	--	X	X	--	--	--	--	--	
	20375722	MJLW42	9/12/2020	10:02	SW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
Fire Suppression Pond																										
PD06SD	20375659	JLTX9	9/12/2020	13:13	Sediment Surface	0 - 12 in	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Co-located sediment and surface water sample collected where water discharges from fire suppression pond to creek channel leading into standing water of log pond.
PD06SW	20375723	JLW43	9/12/2020	12:59	SW (Total)	NA	J. Leeson	--	--	--	--	--	--	--	--	--	X	--	X	X	--	--	--	--	--	
	20375724	MJLW44	9/12/2020	12:59	SW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
PD07SD	20375660	JLTY0	9/12/2020	13:28	Sediment Surface	0 - 12 in	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Sediment sample collected from northeast corner of fire suppression pond.
PD08SD	20375661	JLTY1	9/12/2020	13:38	Sediment Surface	0 - 12 in	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Sediment sample collected from southeast corner of fire suppression pond.
PD09SD	20375662	JLTY2	9/12/2020	11:48	Sediment Surface	0 - 12 in	J. Leeson	--	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--	--	Co-located sediment and surface water sample collected where Bagley Creek culvert discharges to fire suppression pond. No accessible portions of Bagley Creek exist upriver from pond on mill property.
PD09SW	20375725	JLW45	9/12/2020	11:24	SW (Total)	NA	J. Leeson	--	--	--	--	--	--	--	--	--	X	--	X	X	--	--	--	--	--	
	20375726	MJLW46	9/12/2020	11:28	SW (Dissolved)	NA		--	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--	
QA/QC Samples																										
ID01WT	20385727	JLW47	9/15/2020	10:00	Water	NA	A. Jensen	--	--	--	--	--	--	--	--	--	X	X	X	X	--	X	X	--	--	IDW water sample.
RI01WT	20385728	JLW48	9/14/2020	16:55	Water	NA	S. Wing	--	--	--	--	--	--	--	--	X	X	X	X	X	--	X	X	--	--	Rinsate of temporary groundwater sampling screen.
RI02WT	20385729	JLW49	9/14/2020	17:00	Water	NA	S. Wing	--	--	--	--	--	--	--	--	X	X	X	X	X	--	X	X	--	--	Rinsate of cutting shoe.
RI03WT	20385730	JLW50	9/14/2020	17:05	Water	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	X	X	X	X	--	X	X	--	--	Rinsate of cutting shoe.
RI04WT	20385731	JLW51	9/14/2020	17:10	Water	NA	S. Wing	--	--	--	--	--	--	--	--	--	X	--	X	--	--	--	--	--	--	Rinsate of cutting shoe.
TB01WT	20375735	JLW55	9/10/2020	16:47	Water	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	X	--	--	Trip Blank.
TB02WT	20385736	JLW56	9/13/2020	18:15	Water	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	X	--	--	Trip Blank.
TB03WT	20385737	JLW57	9/13/2020	18:25	Water	NA	B. Ciecko	--	--	--	--	--	--	--	--	--	--	X	--	--	--	--	--	X	--	--	Trip Blank.

Key:

-- = Sample not analyzed for consituent or analysis not applicable

AES = Atomic Emission Spectroscopy

bgs = below ground surface

CLP = Contract Laboratory Program

cm = Centimeters

DU = Decision Unit

EPA = United States Environmental Protection Agency

ft = Feet

GW = Groundwater

Hg = Mercury

ICP = Inductively Coupled Plasma

ID = Identification

in = Inches

ISM = Incremental sampling methodology

NA = Not applicable

NWTPH-Dx = Northwest Total Petroleum Hydrocarbons as Diesel Extended

NWTPH-Gx = Northwest Total Petroleum Hydrocarbon as Gasoline Extended

PCBs = Polychlorinated biphenyls

PCDD = Polychlorinated dibenzo-p-dioxins

PCDF = Polychlorinated dibenzofurans

PCP = Pentachlorophenol

PID = Photoionization Detector

ppb = Parts Per Billion

QA/QC = Quality assurance/quality control

SIM = Selective Ion Monitoring

SVOCs = Semivolatile Organic Compounds

SW = Surface Water

TAL = Target Analyte List

TOC = Total Organic Carbon

UST = Underground Storage Tank

VOCs = Volatile Organic Compounds

Table 4-3 Sample Coding

Digits	Description	Code	Example
1,2	Source Code	DU	Decision Unit
		EW	Existing Well
		OP	Opportunity Sample
		PD	Pond Location Sample
		SL	Subsurface Location
		TP	Used to designate groundwater sample from a test pit location
3,4	Consecutive Number	01	First number of source code
5,6	Matrix Code	GP	Subsurface Soil-Geoprobe
		GW	Ground Water
		SD	Sediment
		SS	Surface Soil
		SW	Surface Water
		TP	Subsurface Soil-Test Pit
		WT	Water
7,8	Consecutive Number	01	Lowest depth of sample matrix or used to designate duplicate and triplicate for ISM samples

Table 4-4 Subsurface Soil Sample Analytical Results Summary - Former Maintenance Building

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Values [b]			20375600 SL01GP01 JLTQ0 0 - 4 ft	20375602 SL02GP01 JLTQ2 0 - 4 ft
		PGW	CF	DC		
Target Analyte List Metals (mg/kg)						
Aluminum	--	--	--	--	**35800**	**30600**
Arsenic	12	--	10	0.43	**3.7**	**3.6**
Barium	630	--	--	15000	**39.5**	**33.9**
Beryllium	1.4	--	--	160	**0.74**	**0.65**
Calcium	--	--	--	--	184 JQ	**1430**
Chromium	890	--	--	120000	**78.7**	**71.1**
Cobalt	--	--	--	--	**7.6**	**10.2**
Copper	110	--	--	3100	**46.7**	**68.9**
Iron	--	--	--	--	**42200**	**36800**
Lead	36	30	--	400	**10.5**	**11.7**
Magnesium	--	--	--	--	**6380**	**9400**
Manganese	3000	--	--	--	**152**	**228**
Mercury	0.17	--	23	--	**0.14**	**0.14**
Nickel	630	--	--	--	**49.6**	**64.4**
Potassium	--	--	--	--	299 JQ	**458**
Vanadium	290	--	--	--	**70.4**	**64.1**
Zinc	140	--	--	--	**61.5**	**72.4**
Volatile Organic Compounds (µg/kg)						
Acetone	--	--	--	--	10 JQ	**69**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not technically an RBC, Clean Fill values are included in this column.

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

ODEQ = Oregon Department of Environmental Quality

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

Table 4-5 Subsurface Soil Sample Analytical Results Summary - Fomer Log Pond Perimeter

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Values [b]			20375604 SL03TP01 JLTQ4 1 - 2 ft	20375605 SL03TP02 JLTQ5 5 - 6 ft	20375606 SL04TP01 JLTQ6 1 - 2 ft	20375644 SL23TP01 JLTW4 2 -3 ft	20375645 SL23TP02 JLTW5 9 - 10 ft	20375646 SL24TP01 JLTW6 3 - 4 ft	20375647 SL24TP02 JLTW7 8 - 9 ft	20375648 SL25TP01 JLTW8 2 -3 ft	20375649 SL25TP02 JLTW9 9 - 10 ft	20375650 SL26TP01 JLTX0 2 -3 ft	20375651 SL26TP02 JLTX1 6 - 7 ft	20375652 SL27TP01 JLTX2 7 - 8 ft
		PGW	CF	DC												
Dioxins/Furans (ng/kg)																
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	3.2 JQ	0.92 JQ	**220**	**100**	**400**	**140**	**59**	**90**	**11**
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	0.5 JQ	0.44 U	**59**	**21**	**89**	**24**	**8.3**	**16**	4.6 JQ
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	0.4 U	0.4 U	**5.9**	1.8 JQ	**12**	0.87 JQ	0.46 JQ	0.43 JQ	0.37 U
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	0.5 U	0.5 U	**11**	4.8 JQ	**20**	4.2 JQ	2.1 JQ	3.6 JQ	0.52 JQ
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	0.36 JQ	0.34 U	**5.2**	2.7 JQ	**14**	2.4 JQ	1.4 JQ	1.5 JQ	0.32 U
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	0.41 U	0.41 U	4.2 JQ	1.4 JQ	**6.5**	1.9 JQ	0.49 JQ	0.69 JQ	0.38 U
2,3,7,8-TCDD	--	6.8	0.29	4.7	--	--	--	0.084 U	0.096 U	***1.2***	0.82 JQ	***2.4***	0.24 JQ	0.22 JQ	0.098 U	0.092 U
OCDD	--	--	--	--	--	--	--	**20**	5.7 JQ	**2400**	**920**	**4500 J**	**820**	**370**	**870**	**100**
OCDF	--	--	--	--	--	--	--	1.4 JQ	0.87 U	**130**	**54**	**200**	**100**	**32**	**78**	**16**
TEQ (Bird)	--	--	--	55	--	--	--	**0.046 J**	**0.0015 J**	**8.7 J**	**3.9 J**	**16 J**	**1.9 J**	**1.7 J**	**1.1 J**	**0.074 J**
TEQ (Fish)	--	--	--	--	--	--	--	**0.014 J**	**0.0015 J**	**8 J**	**3.7 J**	**15 J**	**2.1 J**	**1.5 J**	**1.5 J**	**0.074 J**
TEQ (Mammal)	--	--	0.29	4.7	--	--	--	**0.079 J**	**0.011 J**	***10*** **J**	***4.8*** **J**	***20*** **J**	***3.8*** **J**	***2.1*** **J**	***2.5*** **J**	**0.24 J**
Target Analyte List Metals (mg/kg)																
Aluminum	--	--	--	--	**17900**	**15000**	**20300**	**47200**	**35900**	**23400**	**23800**	**24600**	**25800**	**20500**	**31100**	**34800**
Arsenic	12	--	10	0.43	***2.6***	***2***	***1.8***	***5.1***	***3.7***	***3.5***	***4.6***	***3.3***	***4***	***3.1***	***3.4***	***3.2***
Barium	630	--	--	15000	**73.2**	**50.7**	**54.6**	**45.7**	**48.1**	**89.2**	**414**	**86.2**	**79**	**84**	**54.1**	**45.1**
Beryllium	1.4	--	--	160	**0.61**	**0.54**	**0.6**	**0.84**	**0.76**	**0.68**	**0.61**	**0.7**	**0.74**	**0.66**	**0.77**	**0.64**
Calcium	--	--	--	--	**3910**	**3020**	**3460**	**1570**	**1140**	**5760**	**17600**	**4680**	**3190**	**4640**	**2590**	**1100**
Chromium	890	--	--	120000	**56.4**	**41.8**	**63.3**	**113**	**114**	**64.6**	**64.1**	**71.5**	**74.7**	**79.4**	**106**	**71.3**
Cobalt	--	--	--	--	**19**	**11.4**	**16.6**	**9.1**	**19.5**	**17**	**15.3**	**24**	**12.9**	**15.4**	**19.2**	**10.1**
Copper	110	--	--	3100	**43.3**	**38.5**	**51.9**	**47.1**	**55.8**	**51.8**	**96**	**56.4**	**44**	**39.4**	**47.4**	**40.3**
Iron	--	--	--	--	**28000**	**23700**	**27100**	**54200**	**41400**	**34000**	**31700**	**33800**	**29800**	**31800**	**41000**	**35000**
Lead	36	30	--	400	**11.1**	**5.7**	**7.6 J**	**13.2 J**	**8.2 J**	**10.8**	**15.3**	**12.6**	**8**	**17.3**	**9.2**	**8.2**
Magnesium	--	--	--	--	**9600**	**8280**	**11400**	**6120**	**17500**	**11600**	**10100**	**11100**	**8960**	**10400**	**14400**	**7520**
Manganese	3000	--	--	--	**616**	**292**	**400**	**188**	**411**	**527**	**969**	**666**	**287**	**519**	**472**	**193**
Mercury	0.17	--	23	--	0.11 U	0.11 U	0.11 U	**0.16**	**0.15**	0.11 U	0.12 U	**0.13**	0.21 U	**0.15**	**0.15**	0.11 U
Nickel	630	--	--	--	**66.2**	**50.8**	**77.9**	**71.8**	**137**	**81.7**	**86.5**	**88.5**	**84**	**87.8**	**122**	**61.6**
Potassium	--	--	--	--	405 JQ	**504**	**600**	452 U	442 JQ	**707**	**3470**	**615**	714 U	**572**	**612**	515 U
Sodium	--	--	--	--	434 U	481 U	37 JQ	452 U	484 U	73.6 JQ	**1680**	30 JQ	714 U	489 U	480 U	515 U
Vanadium	290	--	--	--	**54.1**	**44.1**	**48.3 J**	**106 J**	**67.5 J**	**66.6**	**55.4**	**65.9**	**66.4**	**61.6**	**71.7**	**66.8**
Zinc	140	--	--	--	**72.7**	**59.3**	**65.2**	**55.8**	**79.1**	**75.2**	**90.8**	**80.6**	**106**	**69.3**	**72.6**	**61.6**
Semivolatile Organic Compounds (µg/kg)																
2-Methylnaphthalene	--	--	11000	--	1.9 JQ	**9.6**	3.1 JQ	4.4 U	4.1 U	0.77 JQ	0.55 JQ	0.8 JQ	6.3 U	2 JQ	0.55 JQ	4.1 U
Benzo(a)anthracene	--	1600	730	1100	**6.7**	**22 J**	3.6 U	4.4 U	4.1 U	3.5 JQ	0.72 JQ	2.8 JQ	6.3 U	4 U	4.1 U	4.1 U
Benzo(b)fluoranthene	--	6200	1100	1100	2.8 JQ	4 JQ	**5.2 J**	0.63 JQ	4.1 U	3.1 JQ	2.5 JQ	2.4 JQ	0.95 JQ	**4.9 J**	2.7 JQ	0.7 JQ
Benzo(k)fluoranthene	--	--	11000	11000	3.6 U	**20**	3.6 U	4.4 U	4.1 U	4 U	4.3 U	3.7 U	6.3 U	4 U	4.1 U	4.1 U
bis(2-Ethylhexyl)phthalate	--	--	20	39000	190 U	220 U	190 UJ	230 UJ	210 UJ	***5200*** **J**	220 UJ	200 UJ	330 UJ	210 UJ	210 UJ	210 UJ
Chrysene	--	--	3100	110000	2.3 JQ	**14 J**	**3.6 J**	4.4 U	4.1 U	4 U	1.4 JQ	**3.9 J**	6.3 U	4 U	4.1 U	0.65 JQ
Fluoranthene	--	--	10000	2400000	**5.3**	**51**	**6.6 J**	0.62 JQ	4.1 U	1.6 JQ	1.9 JQ	2.1 JQ	4.2 JQ	**7.8 J**	**7.9 J**	4.1 U
Fluorene	--	--	3700	3100000	3.6 U	**7.5**	0.89 JQ	4.4 U	4.1 U	4 U	4.3 U	3.7 U	6.3 U	4 U	4.1 U	4.1 U
Naphthalene	--	77	77	5300	1.7 JQ	**4.7**	2.5 JQ	4.4 U	4.1 U	4 U	4.3 U	0.97 JQ	6.3 U	2.5 JQ	1 JQ	4.1 U

Table 4-5 Subsurface Soil Sample Analytical Results Summary - Fomer Log Pond Perimeter

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Values [b]			20375604 SL03TP01 JLTQ4 1 - 2 ft	20375605 SL03TP02 JLTQ5 5 - 6 ft	20375606 SL04TP01 JLTQ6 1 - 2 ft	20375644 SL23TP01 JLTW4 2 -3 ft	20375645 SL23TP02 JLTW5 9 - 10 ft	20375646 SL24TP01 JLTW6 3 - 4 ft	20375647 SL24TP02 JLTW7 8 - 9 ft	20375648 SL25TP01 JLTW8 2 -3 ft	20375649 SL25TP02 JLTW9 9 - 10 ft	20375650 SL26TP01 JLTX0 2 -3 ft	20375651 SL26TP02 JLTX1 6 - 7 ft	20375652 SL27TP01 JLTX2 7 - 8 ft
		PGW	CF	DC												
Pentachlorophenol	--	66	66	1000	7.3 U	**25**	7.4 U	8.9 U	8.3 U	8.2 U	8.6 U	7.6 U	13 U	8.1 U	8.3 U	8.3 U
Phenanthrene	--	--	5500	--	**5.2**	**33**	**23**	0.57 JQ	4.1 U	**7.1**	**4.3**	**5.1**	3.8 JQ	**9.4**	2.9 JQ	1.1 JQ
Pyrene	--	--	10000	1800000	1.1 JQ	4.2 U	**5.7 J**	4.4 U	4.1 U	1.3 JQ	2 JQ	1.4 JQ	2.2 JQ	**7.1 J**	4.1 U	0.85 JQ
PAH TEQ		4400	110	110	**2.8**	**5.1**	**2.6**	**2.4**	**2.3**	**2.9**	**2.6**	**2.5**	**3.5**	**2.9**	**3.0**	**2.3**
Total Organic Carbon (mg/kg)																
Total Organic Carbon	--	--	--	--	--	--	--	**20900**	--	--	--	--	--	--	--	--

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

44.1 Tan shaded cell with ***underlined, italicized, and bolded type*** designates value above the value allowing soils to be reused as clean fill.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available, applicable, or analyzed for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

ODEQ = Oregon Department of Environmental Quality

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration in a residential setting

TEQ = Toxicity Equivalent Quotient. Values for TEQ (mammal) and TEQ (bird) are compared direct contact RBC and Level II Eco Risk Concentration for 2,3,7,8-TCDD (resepctively). See Section 4.2 for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 4-6 Subsurface Soil Sample Analytical Results Summary- PCP In Groundwater and Potential UST

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (feet bgs)	Back-ground Metals [a]	Regulatory Cleanup Values [b]			20375608 SL05GP01 JLTQ8 0 - 4 ft	20375609 SL05GP02 JLTQ9 4 - 8 ft	20375610 SL06GP01 JLTR0 0 - 4 ft	20375611 SL06GP02 JLTR1 4 - 8 ft	20375612 SL07GP01 JLTR2 0 - 4 ft	20375613 SL07GP02 JLTR3 8 - 12 ft	20375614 SL08TP01 JLTR4 3 - 4 ft	20375615 SL08TP02 JLTR5 8 - 9 ft
		PGW	CF	DC								
Dioxins/Furans (ng/kg)												
1,2,3,4,6,7,8-HpCDD	--	--	--	--	3.1 JQ	1.7 JQ	**620**	**29**	**46**	2.4 JQ	**750**	**7.1**
1,2,3,4,6,7,8-HpCDF	--	--	--	--	0.98 JQ	0.46 JQ	**140**	**6.9**	**12**	0.44 U	**240**	2.6 JQ
1,2,3,4,7,8,9-HpCDF	--	--	--	--	0.46 U	0.46 U	**9.9**	0.49 JQ	0.88 JQ	0.46 U	**18**	0.46 U
1,2,3,4,7,8-HxCDD	--	--	--	--	0.47 U	0.47 U	**6.9**	0.52 JQ	0.94 JQ	0.47 U	**6.6**	0.47 U
1,2,3,4,7,8-HxCDF	--	--	--	--	0.4 U	0.4 U	**13**	0.65 JQ	0.91 JQ	0.4 U	**14**	0.4 U
1,2,3,6,7,8-HxCDD	--	--	--	--	0.5 U	0.5 U	**33**	1.5 JQ	2.4 JQ	0.5 U	**30**	0.5 U
1,2,3,6,7,8-HxCDF	--	--	--	--	0.47 U	0.47 U	**6.2**	0.47 U	0.55 JQ	0.47 U	**6.7**	0.47 U
1,2,3,7,8,9-HxCDD	--	--	--	--	0.34 U	0.34 U	**10**	0.8 JQ	1.5 JQ	0.34 U	**9.3**	0.34 U
2,3,4,6,7,8-HxCDF	--	--	--	--	0.41 U	0.41 U	**9**	0.41 U	0.87 JQ	0.41 U	**11**	0.41 U
2,3,4,7,8-PeCDF	--	--	--	--	0.43 U	0.43 U	**7.4**	0.43 U	0.61 JQ	0.43 U	**6.2**	0.43 U
OCDD	--	--	--	--	**39**	**18**	**5100**	**230**	**410**	**19**	**7400**	**70**
OCDF	--	--	--	--	3.6 JQ	1.9 JQ	**410**	**20**	**33**	1.5 JQ	**830**	8.4 JQ
TEQ (Bird)	--	--	--	55	**0.017 J**	**0.0083 J**	**19 J**	**0.31 J**	**2.9 J**	**0.0045 J**	**19 J**	**0.041 J**
TEQ (Fish)	--	--	--	--	**0.017 J**	**0.0083 J**	**16 J**	**0.48 J**	**2.7 J**	**0.0045 J**	**17 J**	**0.041 J**
TEQ (Mammal)	--	--	0.29	4.7	**0.054 J**	**0.028 J**	***23*** **J**	***0.79*** **J**	***3*** **J**	**0.03 J**	***25*** **J**	**0.12 J**
Target Analyte List Metals (mg/kg)												
Aluminum	--	--	--	--	**42300**	**30000**	**26800**	**41400**	**21400**	**34000**	**35500**	**22100**
Arsenic	12	--	10	0.43	***2.8***	***2.2***	***3.4***	***4.8***	***3***	***2.3***	***3.2***	***5.2***
Barium	630	--	--	15000	**59.4**	**62**	**66.4**	**43**	**78.9**	**41.9**	**51.4**	**20.1**
Beryllium	1.4	--	--	160	**0.93**	**0.76**	**0.82**	**0.8**	**0.69**	**0.99**	**0.7**	**0.76**
Calcium	--	--	--	--	**1840**	**4920**	**3290**	**1610**	**4040**	**3030**	**1890**	**2060**
Chromium	890	--	--	120000	**105**	**107**	**73.2**	**81.1**	**59.3**	**71.8**	**77.2**	**70**
Cobalt	--	--	--	--	**12.7**	**13**	**15.4**	**10**	**20.3**	**18.2**	**10.1**	**16.2**
Copper	110	--	--	3100	**45**	**40.2**	**45.4**	**37.9**	**47.8**	**51.8**	**40.9**	**41.2**
Iron	--	--	--	--	**57900**	**41600**	**41900**	**46200**	**31400**	**50300**	**39400**	**42300**
Lead	36	30	--	400	**11.9**	**9**	**25.2**	**8.3**	**11.1**	**7.9**	**11.5**	**6.2**
Magnesium	--	--	--	--	**9000**	**11600**	**9620**	**9280**	**9970**	**13500**	**7750**	**11000**
Manganese	3000	--	--	--	**193**	**261**	**423**	**253**	**648**	**313**	**250**	**287**
Mercury	0.17	--	23	--	**0.23**	0.11 U	0.12 U	**0.15**	0.11 U	**0.12**	**0.17**	0.11 U
Nickel	630	--	--	--	**79.8**	**89**	**67.8**	**63.9**	**72.3**	**96.9**	**53.5**	**92.7**
Potassium	--	--	--	--	576 U	346 JQ	486 JQ	**507**	**657**	**745**	309 JQ	433 U
Silver	0.16	--	--	390	0.92 JQ	**1.3 J**	0.51 JQ	0.7 JQ	0.38 JQ	0.62 JQ	0.46 JQ	0.56 JQ
Vanadium	290	--	--	--	**101**	**88.7**	**73**	**74.8**	**61.2**	**66**	**75.3**	**51.9 J**
Zinc	140	--	--	--	**73.6**	**66.1**	**161**	**72.6**	**70.8**	**79.7**	**76.4**	**56.7**
Semivolatile Organic Compounds (µg/kg)												
2,3,4,6-Tetrachlorophenol	--	--	11000	--	240 U	230 U	200 U	210 U	180 **U**		210 U	190 U
2-Methylnaphthalene	--	--	11000	--	0.5 JQ	0.91 JQ	**5.2**	0.46 JQ	2.7 JQ	0.51 JQ	2 JQ	3.6 U
Benzo(a)anthracene	--	1600	730	1100	4.6 U	4.4 U	1.6 JQ	4.1 U	**13 J**	3.7 U	4 JQ	3.6 U
Benzo(b)fluoranthene	--	6200	1100	1100	4.6 U	0.56 JQ	**4.6**	0.66 JQ	**7.3**	0.95 JQ	1.8 JQ	3.6 U
Chrysene	--	--	3100	110000	4.6 U	0.59 JQ	**7.3**	0.62 JQ	**3.9 J**	0.82 JQ	1.8 JQ	3.6 U

Table 4-6 Subsurface Soil Sample Analytical Results Summary- PCP In Groundwater and Potential UST

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (feet bgs)	Back-ground Metals [a]	Regulatory Cleanup Values [b]			20375608 SL05GP01 JLTQ8 0 - 4 ft	20375609 SL05GP02 JLTQ9 4 - 8 ft	20375610 SL06GP01 JLTR0 0 - 4 ft	20375611 SL06GP02 JLTR1 4 - 8 ft	20375612 SL07GP01 JLTR2 0 - 4 ft	20375613 SL07GP02 JLTR3 8 - 12 ft	20375614 SL08TP01 JLTR4 3 - 4 ft	20375615 SL08TP02 JLTR5 8 - 9 ft
		PGW	CF	DC								
Fluoranthene	--	--	10000	2400000	4.6 U	4.4 U	3.8 U	4.1 U	**4.4**	0.56 JQ	2.4 JQ	3.6 U
Pentachlorophenol	--	66	66	1000	9.3 U	8.9 U	7.7 U	8.2 U	7.3 U	7.6 U	**27**	7.3 U
Phenanthrene	--	--	5500	--	0.64 JQ	1.5 JQ	**12**	1.3 JQ	**13**	1.6 JQ	**5.5**	0.37 JQ
PAH TEQ		4400	110	110	**2.5**	**2.4**	**2.7**	**2.3**	**3.9**	**2.1**	**2.7**	**2.0**
Volatile Organic Compounds (µg/kg)												
Acetone	--	--	--	--	**39**	**40**	**14**	6.2 JQ	**100**	**56**	12 JQ	**29**
Benzene	--	23	--	8200	7 U	1.3 JQ	6.9 U	0.98 JQ	**24**	1.3 JQ	4.4 JQ	6.6 U
Methyl acetate	--	--	250000	--	7 U	6.3 U	6.9 U	6.3 U	11 U	**7**	13 U	2.4 JQ
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range Organics	--	9500	1100	1100	55 U	51 U	**270**	50 U	46 U	47 U	45 U	45 U
Motor Oil Range Organics	--	9500	1100	1100	140 U	130 U	**150**	120 U	110 U	120 U	110 U	110 U
Total Organic Carbon (mg/kg)												
Total Organic Carbon	--	--	--	--	**6820**	--	--	--	--	--	--	--

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

44.1 Tan shaded cell with ***underlined, italicized, and bolded type*** designates value above the value allowing soils to be reused as clean fill.

74 Grey shaded cell with **underlined and bolded type** designates value above soil RBC for protection of groundwater quality.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available, applicable, or analyzed for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

ODEQ = Oregon Department of Environmental Quality

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for TEQ (mammal) and TEQ (bird) are compared direct contact RBC and Level II Eco Risk Concentration for 2,3,7,8-TCDD (resepctively). See Section 4.2 for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 4-7 Subsurface Soil Sample Analytical Results Summary - Former Transformer Location

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375616 SL09GP01 JLTR6 0 - 4 ft	20375618 SL10GP01 JLTR8 4 - 8 ft
		PGW	CF	DC		
Target Analyte List Metals (mg/kg)						
Aluminum	--	--	--	--	**23000**	**26200**
Arsenic	12	--	10	0.43	***3.8***	***3.8***
Barium	630	--	--	15000	**78.8**	**60.1**
Beryllium	1.4	--	--	160	**0.74**	**0.86**
Calcium	--	--	--	--	**3800**	**8460**
Chromium	890	--	--	120000	**65.2**	**77.1**
Cobalt	--	--	--	--	**33.6**	**25.8**
Copper	110	--	--	3100	**58.5**	**48.7**
Iron	--	--	--	--	**36400**	**45600**
Lead	36	30	--	400	**13.4 J**	**9.1 J**
Magnesium	--	--	--	--	**11800**	**12300**
Manganese	3000	--	--	--	**827**	**521**
Nickel	630	--	--	--	**86.5**	**123**
Potassium	--	--	--	--	**519**	**596**
Silver	0.16	--	--	390	**0.96**	**1**
Vanadium	290	--	--	--	**72.7 J**	**63.7 J**
Zinc	140	--	--	--	**97.6**	**75.8**
Semivolatile Organic Compounds (µg/kg)						
2-Methylnaphthalene	--	--	11000	--	**11 J**	1.9 JQ
Anthracene	--	--	6800	23000000	3.7 U	**4.2 J**
Benzo(a)anthracene	--	1600	730	1100	**29 J**	2.5 JQ
Benzo(b)fluoranthene	--	6200	1100	1100	**12**	**4.1**
Chrysene	--	--	3100	110000	3.7 U	**5.2**
Fluoranthene	--	--	10000	2400000	**4.4**	3.3 JQ
Naphthalene	--	77	77	5300	**7.1 J**	2.9 JQ
Phenanthrene	--	--	5500	--	**23 J**	**3.9 J**
PAH TEQ		4400	110	110	**6.1**	**2.7**

Table 4-7 Subsurface Soil Sample Analytical Results Summary - Former Transformer Location

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375616 SL09GP01 JLTR6 0 - 4 ft	20375618 SL10GP01 JLTR8 4 - 8 ft
		PGW	CF	DC		
Total Petroleum Hydrocarbons (mg/kg)						
Motor Oil Range Organics	--	9500	1100	1100	**160**	110 U

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

ODEQ = Oregon Department of Environmental Quality

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 4-8 Subsurface Soil Sample Analytical Results Summary - Southern Wigwam Burner

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375626 SL14GP01 JLTS6 0 - 4 ft	20375627 SL14GP02 JLTS7 12 - 16 ft	20375628 SL15GP01 JLTS8 0 - 4 ft	20375629 SL15GP02 JLTS9 12 - 16 ft	20375630 SL16TP01 JLTT0 10 - 12 in	20375631 SL16TP02 JLTT1 13 - 18 in	20375663 SL16TP03 JLTY3 18 - 36 in	20375664 SL16TP04 JLTY4 48 - 60 in	20375632 SL17GP01 JLTT2 0 - 4 ft	20375633 SL17GP02 JLTT3 20 - 24 ft	20375634 SL18GP01 JLTT4 0 - 4 ft	20375635 SL18GP02 JLTT5 12 - 16 ft	20375619 OP02TP01 JLTR9 1 - 2 ft
		PGW	CF	DC													
Dioxins/Furans (ng/kg)																	
1,2,3,4,6,7,8-HpCDD	--	--	--	--	**30**	3.5 JQ	**69**	0.67 JQ	**82**	**34**	1.3 JQ	0.46 U	**13**	0.48 JQ	**53**	0.45 U	**72**
1,2,3,4,6,7,8-HpCDF	--	--	--	--	**8.2**	0.85 JQ	**5.5**	0.44 U	**6.3**	4.7 JQ	0.44 U	0.44 U	3.1 JQ	0.43 U	**8.1**	0.44 U	**8**
1,2,3,4,7,8-HxCDD	--	--	--	--	0.89 JQ	0.47 U	1.7 JQ	0.47 U	1.3 JQ	0.64 JQ	0.47 U	0.47 U	0.47 U	0.46 U	0.68 JQ	0.47 U	**5.5**
1,2,3,6,7,8-HxCDD	--	--	--	--	1.5 JQ	0.5 U	3.3 JQ	0.5 U	3.7 JQ	1.7 JQ	0.5 U	0.5 U	0.77 JQ	0.49 U	2.2 JQ	0.5 U	**11**
1,2,3,7,8,9-HxCDD	--	--	--	--	1.1 JQ	0.34 U	2.9 JQ	0.34 U	2.7 JQ	1.1 JQ	0.34 U	0.34 U	0.48 JQ	0.34 U	1.4 JQ	0.34 U	**15**
1,2,3,7,8-PeCDD	--	--	--	--	0.35 U	0.35 U	0.94 JQ	0.35 U	0.92 JQ	0.39 JQ	0.35 U	0.35 U	0.35 U	0.35 U	0.41 JQ	0.35 U	**7.9**
2,3,7,8-TCDD	--	6.8	0.29	4.7	0.18 JQ	0.09 U	0.26 JQ	0.084 U	0.25 JQ	0.15 JQ	0.11 U	0.12 U	0.084 U	0.083 U	0.2 JQ	0.084 U	***3.3***
2,3,7,8-TCDF	--	--	--	--	0.16 JQ	0.11 U	0.11 U	0.11 U	0.15 JQ	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.39 JQ	0.11 U	0.75 JQ
OCDD	--	--	--	--	**250**	**31**	**350**	3.9 JQ	**450**	**220**	7.2 JQ	3.1 JQ	**100**	4.5 JQ	**490**	4.3 JQ	**200**
OCDF	--	--	--	--	**23**	2.6 JQ	**20**	0.87 U	**26**	**17**	0.87 U	0.87 U	9 JQ	0.86 U	**25**	0.87 U	9.4 JQ
TEQ (Bird)	--	--	--	55	**0.79 J**	**0.015 J**	**1.8 J**	**0.001 J**	**2.1 J**	**0.85 J**	**0.002 J**	**3E-04 J**	**0.11 J**	**9E-04 J**	**2.2 J**	**4E-04 J**	**16 J**
TEQ (Fish)	--	--	--	--	**0.95 J**	**0.015 J**	**2.3 J**	**0.001 J**	**2.2 J**	**1 J**	**0.002 J**	**3E-04 J**	**0.067 J**	**9E-04 J**	**1.7 J**	**4E-04 J**	**16 J**
TEQ (Mammal)	--	--	0.29	4.7	***1.2*** **J**	**0.054 J**	***2.9*** **J**	**0.008 J**	***3.1*** **J**	***1.4*** **J**	**0.015 J**	**9E-04 J**	***0.32*** **J**	**0.006 J**	***2.2*** **J**	**0.001 J**	**16 J**
Target Analyte List Metals (mg/kg)																	
Aluminum	--	--	--	--	**18100**	**34700**	**36400**	**23200**	**17400**	**27100**	**35200**	**35200**	**27100**	**16200**	**24000**	**33800**	**24200**
Antimony	0.59	--	--	--	0.9 U	0.9 U	0.96 U	0.79 U	**1.2 J**	**4.4 J**	1 UJ	0.91 UJ	0.86 U	0.8 U	0.62 JQ	0.11 JQ	0.9 U
Arsenic	12	--	10	0.43	**2.9**	**4.9**	**3.8**	**1.6**	**3.9**	**8.6**	**1.8**	**3.4**	**3.5**	**2.1**	**3.9**	**2.9**	**3.4**
Barium	630	--	--	15000	**108**	**58.3**	**44.8**	**31.3**	**668**	**922**	**71.4**	**39.1**	**106**	**37.6**	**77**	**43.8**	**142**
Beryllium	1.4	--	--	160	**0.56**	**0.68**	**0.78**	**0.79**	0.4 JQ	**0.48**	**0.81**	**0.86**	**0.85**	**0.49**	**0.62**	**0.7**	**0.6**
Calcium	--	--	--	--	**5980**	**1180**	**1850**	**1390**	**54000**	**58200**	**4010**	**2070**	**2790**	**4760**	**4330**	**1060**	**6220**
Chromium	890	--	--	120000	**59.1**	**97.6**	**114**	**64.8**	**40**	**37**	**109**	**98.2**	**76.6**	**57.7**	**65.2**	**146**	**70.5**
Cobalt	--	--	--	--	**15.4**	**12.8**	**17.7**	**26.2**	**7.1**	**6.2**	**9**	**13.4**	**16.4**	**12.4**	**12.5**	**16.9**	**17**
Copper	110	--	--	3100	**52.5**	**40.8**	**54.2**	**64.4**	**123**	**88.5**	**30.8**	**56.4**	**46.2**	**55.4**	**61.6**	**44.8**	**73.7**
Iron	--	--	--	--	**27800**	**35500**	**43400**	**34500**	**19000**	**19900**	**48100**	**47400**	**35200**	**26200**	**32400**	**37300**	**30900**
Lead	36	30	--	400	**14.5 J**	**9.1 J**	**10.3 J**	**5.8 J**	**9.2**	**18.1**	**9.1**	**9.4**	**11 J**	**3.6 J**	**18.5**	**8.2**	**25.4 J**
Magnesium	--	--	--	--	**10800**	**5440**	**12900**	**13700**	**4970**	**5950**	**4430**	**13100**	**9220**	**12700**	**10600**	**12800**	**9600**
Manganese	3000	--	--	--	**529**	**214**	**377**	**446**	**1110**	**1630**	**234**	**373**	**507**	**314**	**414**	**283**	**744**
Mercury	0.17	--	23	--	0.11 U	**0.17**	0.12 U	0.097 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	**0.21**	0.1 U
Nickel	630	--	--	--	**67.5**	**94.7**	**123**	**175**	**45.3**	**34.5**	**66.1**	**105**	**85.3**	**72.2**	**88.1**	**152**	**78**
Potassium	--	--	--	--	**945**	232 JQ	329 JQ	**506**	**3830**	**5370**	**1670**	**633**	**625**	**468**	**754**	470 U	**2570**
Silver	0.16	--	--	390	0.78 JQ	**0.94**	**1**	**0.82**	0.33 JQ	0.38 JQ	0.6 JQ	0.46 JQ	**0.94**	0.64 JQ	0.51 JQ	0.54 JQ	0.84 JQ
Sodium	--	--	--	--	**481**	57.7 JQ	31.4 JQ	29.5 JQ	**2310**	**4190**	494 JQ	34.7 JQ	244 JQ	63.8 JQ	**653**	36.5 JQ	362 JQ
Vanadium	290	--	--	--	**51.3 J**	**88.6 J**	**77.8 J**	**35.9 J**	**36**	**60**	**75.9**	**76.3 J**	**64.7 J**	**32.1 J**	**70.7**	**66.7 J**	**58 J**
Zinc	140	--	--	--	**104**	**55.1**	**74.7**	**63.3**	**92.6**	**108**	**45.1**	**73**	**86.8**	**48.2**	**73.6**	**69**	**171**
Semivolatile Organic Compounds (µg/kg)																	
2-Methylnaphthalene	--	--	11000	--	37 U	0.57 JQ	4.1 U	3.7 U	4.4 U	4.1 U	4.6 U	4 U	2.1 JQ	1.6 JQ	**4.5**	4.3 U	1.2 JQ
Benzo(b)fluoranthene	--	6200	1100	1100	37 U	0.5 JQ	4.1 U	3.7 U	4.4 UJ	4.1 U	4.6 U	4 U	0.45 JQ	0.69 JQ	1.7 JQ	4.3 U	**7.8 J**
Chrysene	--	--	3100	110000	37 U	4.1 U	4.1 U	3.7 U	4.4 UJ	0.53 JQ	4.6 U	4 U	1.3 JQ	0.61 JQ	0.8 JQ	4.3 U	**9.5 J**
Fluoranthene	--	--	10000	2400000	37 U	**10**	4.1 U	3.7 U	4.4 UJ	0.5 JQ	4.6 U	0.55 JQ	**3.7**	0.66 JQ	**24**	4.3 U	**8.8 J**
Naphthalene	--	77	77	5300	37 U	4.1 U	4.1 U	3.7 U	2.1 JQ	4.1 U	4.6 U	4 U	2.2 JQ	0.9 JQ	**4.4**	4.3 U	2.6 JQ

Table 4-8 Subsurface Soil Sample Analytical Results Summary - Southern Wigwam Burner

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375626 SL14GP01 JLTS6 0 - 4 ft	20375627 SL14GP02 JLTS7 12 - 16 ft	20375628 SL15GP01 JLTS8 0 - 4 ft	20375629 SL15GP02 JLTS9 12 - 16 ft	20375630 SL16TP01 JLTT0 10 - 12 in	20375631 SL16TP02 JLTT1 13 - 18 in	20375663 SL16TP03 JLTY3 18 - 36 in	20375664 SL16TP04 JLTY4 48 - 60 in	20375632 SL17GP01 JLTT2 0 - 4 ft	20375633 SL17GP02 JLTT3 20 - 24 ft	20375634 SL18GP01 JLTT4 0 - 4 ft	20375635 SL18GP02 JLTT5 12 - 16 ft	20375619 OP02TP01 JLTR9 1 - 2 ft
		PGW	CF	DC													
Phenanthrene	--	--	5500	--	9.8 JQ	1.5 JQ	0.59 JQ	3.7 U	1.6 JQ	0.83 JQ	4.6 U	0.49 JQ	**5.1**	**4.6**	**7.1**	4.3 U	**14**
Pyrene	--	--	10000	1800000	37 U	4.1 U	4.1 U	3.7 U	4.4 UJ	4.1 U	4.6 U	4 U	2.4 JQ	3.5 U	2.7 JQ	4.3 U	**7.5 J**
PAH TEQ		4400	110	110	**20.9**	**2.3**	**2.3**	**2.1**	**2.4**	**2.3**	**2.5**	**2.2**	**2.1**	**2.0**	**2.2**	**2.4**	**4.7**
Volatile Organic Compounds (µg/kg)																	
2-Butanone	--	--	72000	--	10 JQ	**19**	15 U	11 U	41 UJ	22 U	15 U	31 U	5.5 JQ	10 U	13 U	12 U	--
Acetone	--	--	--	--	**88**	**96**	8.6 JQ	4 JQ	**320 J**	**53**	**41**	13 JQ	**78**	8.7 JQ	13 U	12 U	--
Benzene	--	23	--	8200	**10**	0.96 JQ	5.4 JQ	5.6 U	**74 J**	5.9 JQ	1.3 JQ	16 U	7.5 JQ	5.2 U	3.8 JQ	5.9 U	--
Ethylbenzene	--	220	220	34000	**13**	6.1 U	7.6 U	5.6 U	20 U	11 U	7.3 U	16 U	7.9 U	5.2 U	6.4 U	5.9 U	--
m, p-Xylene	--	--	--	--	**9.5**	6.1 U	1.2 JQ	5.6 U	20 U	11 U	7.3 U	16 U	1.3 JQ	5.2 U	6.4 U	5.9 U	--
Methyl acetate	--	--	250000	--	9 JQ	6.1 U	**16**	5.6 U	20 UJ	11 U	4.2 JQ	16 U	7.9 U	5.2 U	6.4 U	5.9 U	--
Toluene	--	84000	23000	5800000	**13**	6.1 U	2.5 JQ	5.6 U	5.7 JQ	11 U	7.3 U	16 U	2.7 JQ	5.2 U	6.4 U	5.9 U	--
Total Petroleum Hydrocarbons (mg/kg)																	
Motor Oil Range Organics	--	9500	1100	1100	**220**	130 U	120 U	110 U	130 U	130 U	140 U	120 U	120 U	110 U	120 U	130 U	--
Total Organic Carbon (mg/kg)																	
Total Organic Carbon	--	--	--	--	**48200**	--	--	--	--	--	--	--	--	--	--	--	--

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

44.1 Tan shaded cell with ***underlined, italicized, and bolded type*** designates value above the value allowing soils to be reused as clean fill.

74 Grey shaded cell with **underlined and bolded type** designates value above soil RBC for protection of groundwater quality.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available, applicable, or analyzed for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene

ODEQ = Oregon Department of Environmental Quality

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for TEQ (mammal) and TEQ (bird) are compared direct contact RBC and Level II Eco Risk Concentration for 2,3,7,8-TCDD (resepctively). See Section 4.2 for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 4-9 Subsurface Soil Sample Analytical Results Summary - Former Stud Mill and Vicinity

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375636 SL19TP01 JLTT6 3 - 4 ft	20375637 SL19TP02 JLTT7 6 - 7 ft	20375638 SL20GP01 JLTT8 0 - 4 ft	20375640 SL21GP01 JLTW0 0 - 4 ft	20375642 SL22GP01 JLTW2 0 - 4 ft
		PGW	CF	DC					
Dioxins/Furans (ng/kg)									
1,2,3,4,6,7,8-HpCDD	--	--	--	--	**960**	4.6 JQ	**450**	**70**	**55**
1,2,3,4,6,7,8-HpCDF	--	--	--	--	**170**	0.6 JQ	**55**	**13**	**7.3**
1,2,3,4,7,8,9-HpCDF	--	--	--	--	**9.5**	0.46 U	3.5 JQ	0.95 JQ	0.5 JQ
1,2,3,4,7,8-HxCDD	--	--	--	--	**7.1**	0.47 U	3.7 JQ	1 JQ	0.66 JQ
1,2,3,4,7,8-HxCDF	--	--	--	--	**7.8**	0.4 U	2.9 JQ	1 JQ	0.47 JQ
1,2,3,6,7,8-HxCDD	--	--	--	--	**25**	0.5 U	**13**	3 JQ	2.3 JQ
1,2,3,7,8,9-HxCDD	--	--	--	--	**13**	0.34 U	**7.3**	1.9 JQ	1.8 JQ
2,3,4,6,7,8-HxCDF	--	--	--	--	**6.7**	0.41 U	2.7 JQ	0.8 JQ	0.61 JQ
2,3,7,8-TCDD	--	6.8	0.29	4.7	***2.7***	0.12 U	0.84 JQ	0.23 JQ	0.28 JQ
2,3,7,8-TCDF	--	--	--	--	**1.4**	0.11 U	0.45 JQ	0.2 JQ	0.13 U
OCDD	--	--	--	--	**9800 J**	**44**	**4700 J**	**680**	**410**
OCDF	--	--	--	--	**580**	3.1 JQ	**220**	**41**	**29**
TEQ (Bird)	--	--	--	55	**19 J**	**0.015 J**	**8.2 J**	**2.4 J**	**1.2 J**
TEQ (Fish)	--	--	--	--	**18 J**	**0.015 J**	**8.2 J**	**2.3 J**	**1.3 J**
TEQ (Mammal)	--	--	0.29	4.7	***29*** **J**	**0.066 J**	***13*** **J**	***3*** **J**	***2*** **J**
Target Analyte List Metals (mg/kg)									
Aluminum	--	--	--	--	**20300**	**32300**	**27600**	**32200**	**37600**
Arsenic	12	--	10	0.43	***4***	***3.3***	***3.9***	***3***	***4.5***
Barium	630	--	--	15000	**74.8**	**40.8**	**66.9**	**42.3**	**56.3**
Beryllium	1.4	--	--	160	**0.65**	**0.66**	**0.65**	**0.69**	**0.82**
Calcium	--	--	--	--	**5470**	**2030**	**3450**	**2480**	**3290**
Chromium	890	--	--	120000	**65.9**	**65.6**	**82.7**	**82.1**	**107**
Cobalt	--	--	--	--	**14.7**	**9.4**	**10.7**	**13.3**	**14.6**
Copper	110	--	--	3100	**89.7**	**38.4**	**70.3**	**49.8**	**53.7**
Iron	--	--	--	--	**33100**	**39000**	**38300**	**37400**	**47900**
Lead	36	30	--	400	***42.8***	**8**	**26 J**	**12.5**	**11.8**
Magnesium	--	--	--	--	**8980**	**8150**	**6760**	**10600**	**9950**
Manganese	3000	--	--	--	**483**	**234**	**308**	**346**	**380**
Mercury	0.17	--	23	--	**0.12**	**0.13**	**0.14**	**0.14**	**0.16**

Table 4-9 Subsurface Soil Sample Analytical Results Summary - Former Stud Mill and Vicinity

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375636 SL19TP01 JLTT6 3 - 4 ft	20375637 SL19TP02 JLTT7 6 - 7 ft	20375638 SL20GP01 JLTT8 0 - 4 ft	20375640 SL21GP01 JLTW0 0 - 4 ft	20375642 SL22GP01 JLTW2 0 - 4 ft
		PGW	CF	DC					
Nickel	630	--	--	--	**73.8**	**61.8**	**61.3**	**98.3**	**96.5**
Potassium	--	--	--	--	**488**	**572**	377 JQ	**464**	**574**
Silver	0.16	--	--	390	0.43 JQ	0.53 JQ	**0.98**	0.54 JQ	0.71 JQ
Vanadium	290	--	--	--	**56.5**	**63.1**	**72.1 J**	**70.6**	**90.3**
Zinc	140	--	--	--	**255**	**68.3**	**169**	**74.9**	**73.7**
Semivolatile Organic Compounds (µg/kg)									
2-Methylnaphthalene	--	--	11000	--	**5.4**	4 U	2.2 JQ	0.64 JQ	0.52 JQ
Benzo(a)pyrene	--	4400	110	110	**4.3**	4 U	4.1 U	4 U	4.2 U
Benzo(b)fluoranthene	--	6200	1100	1100	**8.2**	4 U	2.6 JQ	4 U	4.2 U
Benzo(g,h,i)perylene	--	--	25000	--	**7.9**	4 U	4.1 U	4 U	4.2 U
Chrysene	--	--	3100	110000	**5**	4 U	1.5 JQ	0.69 JQ	0.49 JQ
Fluoranthene	--	--	10000	2400000	**12**	4 U	**4.9**	1 JQ	1.7 JQ
Naphthalene	--	77	77	5300	**4.8**	0.83 JQ	2.4 JQ	0.84 JQ	4.2 U
Pentachlorophenol	--	66	66	1000	**17**	8.2 U	2.8 JQ	8.1 U	8.5 U
Phenanthrene	--	--	5500	--	**16**	0.43 JQ	**4.4**	1.8 JQ	1.5 JQ
Pyrene	--	--	10000	1800000	**4.7**	4 U	3.8 JQ	4 U	4.2 U
PAH TEQ		4400	110	110	**7.2**	**2.2**	**2.5**	**2.2**	**2.4**
Volatile Organic Compounds (µg/kg)									
Acetone	--	--	--	--	**56**	**47**	**29**	8 JQ	12 JQ
Total Organic Carbon (mg/kg)									
Total Organic Carbon	--	--	--	--	--	--	**35600**	--	--

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

44.1 Tan shaded cell with ***underlined, italicized, and bolded type*** designates value above the value allowing soils to be reused as clean fill.

74 Grey shaded cell with **underlined and bolded type** designates value above soil RBC for protection of groundwater quality but below regional background value.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available, applicable, or analyzed for given constituent

Table 4-9 Subsurface Soil Sample Analytical Results Summary - Former Stud Mill and Vicinity

µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
bgs = below ground surface
CF = Clean Fill
CLP = Contract Laboratory Program
CRQL = Contract Required Quanitation Limit
DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.
EPA = United States Environmental Protection Agency
ft = feet
ID = Identification.
J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.
ODEQ = Oregon Department of Environmental Quality
PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene
PGW = RBC designated to be protective of soil contamination negatively impacting groundwater
Q = Detected concentration is below the method reporting limit/CRQL.
RBC = Risk Based Concentration
TEQ = Toxicity Equivalent Quotient. Values for TEQ (mammal) and TEQ (bird) are compared direct contact RBC and Level II Eco Risk Concentration for 2,3,7,8-TCDD (resepctively). See Section 4.2 for additional information on how TEQ was calculated.
U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

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Table 4-10 Subsurface Soil Sample Analytical Results Summary - Potential Eastern Waste Disposal Area and UST Location

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375620 SL11TP01 JLTS0 3 - 4 ft	20375621 SL11TP02 JLTS1 6 - 7 ft	20375622 SL12TP01 JLTS2 3 - 4 ft	20375623 SL12TP02 JLTS3 7 - 8 ft	20375624 SL13TP01 JLTS4 1 - 2 ft	20375625 SL13TP02 JLTS5 4 - 5 ft	20375665 OP01TP01 JLTY5 4 - 5 ft	20375666 OP01TP02 JLTY6 6 - 7 ft	20375617 OP01TP03 JLTR7 7 - 7.5 ft	20385601 OP01GP01 JLTQ1 4 - 8 ft
		PGW	CF	DC										
Target Analyte List Metals (mg/kg)														
Aluminum	--	--	--	--	**16300**	**27200**	**17900**	**14300**	**35000**	**39900**	**24100**	**31900**	**20600**	**24500**
Antimony	0.59	--	--	--	**5.5**	0.81 U	0.75 U	0.9 U	0.15 JQ	0.12 JQ	0.96 UJ	0.99 UJ	0.13 JQ	0.11 JQ
Arsenic	12	--	10	0.43	***8***	***2.8***	***2***	***1.4***	***3.5***	***3.5***	***3***	***3.4***	***2.2***	***3.2***
Barium	630	--	--	15000	**267**	**49.7**	**37.8**	**30.4**	**27.9**	**57.2**	**80**	**73**	**28.8**	**36.4**
Beryllium	1.4	--	--	160	**0.71**	**0.72**	**0.54**	0.41 JQ	**0.69**	**0.88**	**0.6**	**0.66**	**0.61**	**0.73**
Cadmium	0.52	--	--	78	0.076 JQ	0.42 U	0.37 U	0.44 U	0.53 U	0.48 U	**0.57**	0.32 JQ	0.49 U	0.41 U
Calcium	--	--	--	--	**9530**	**2400**	**4130**	**3430**	**2010**	**2380**	**2420**	**2030**	**2270**	**2320**
Chromium	890	--	--	120000	**53.7**	**81.9**	**72.9**	**61.3**	**122**	**139**	**67.5**	**86.3**	**81.1**	**102**
Cobalt	--	--	--	--	**9.7**	**21.9**	**13.9**	**9.7**	**15.6**	**22.7**	**17.5**	**11.4**	**14.4**	**13.9**
Copper	110	--	--	3100	**343**	**54.6**	**42.7**	**34**	**49.7**	**59.7**	**37**	**43.2**	**39.3**	**47.7**
Iron	--	--	--	--	**50000**	**38000**	**27900**	**20900**	**39600**	**46800**	**22800**	**26600**	**25400**	**33000**
Lead	36	30	--	400	**104 J**	**20.2 J**	**5 J**	**3.8 J**	**7.5**	**8.7**	**16.8**	**24.5**	**7.5**	**6.9**
Magnesium	--	--	--	--	**5840**	**11500**	**14100**	**10900**	**14500**	**19400**	**6780**	**7450**	**11700**	**14200**
Manganese	3000	--	--	--	**508**	**492**	**341**	**215**	**278**	**373**	**267**	**231**	**271**	**325**
Mercury	0.17	--	23	--	0.14 U	0.1 U	0.09 U	0.11 U	**0.19**	**0.16**	**0.17**	**0.15**	0.13 U	**0.12**
Nickel	630	--	--	--	**60.4**	**192**	**84.1**	**65.9**	**152**	**190**	**67.3**	**82.4**	**144**	**133**
Potassium	--	--	--	--	**1680**	**422**	**412**	351 JQ	528 U	482 U	492 U	526 U	488 U	**443**
Silver	0.16	--	--	390	**1.4**	**0.9**	0.69 JQ	0.53 JQ	0.51 JQ	0.6 JQ	0.98 U	1.1 U	0.37 JQ	0.36 JQ
Sodium	--	--	--	--	**1910**	175 JQ	40.9 JQ	48 JQ	528 U	32 JQ	492 U	58.9 JQ	30.3 JQ	30.1 JQ
Vanadium	290	--	--	--	**46.1 J**	**46.7 J**	**37.6 J**	**28.6 J**	**72.2 J**	**87.7**	**62.9**	**78.8**	**44**	**65.2**
Zinc	140	--	--	--	**304**	**80.3**	**57.8**	**46.2**	**60.8**	**77.9**	**92.1**	**113**	**59.5**	**65.9**
Semivolatile Organic Compounds (µg/kg)														
2-Methylnaphthalene	--	--	11000	--	**18**	1.9 JQ	1.5 JQ	3.7 JQ	4.7 U	4.5 U	**42**	**48**	**53**	1.7 JQ
Anthracene	--	--	6800	2.3E+07	2.3 JQ	3.9 U	3.4 U	4 U	4.7 U	4.5 U	**9.4**	4.9 U	3 JQ	0.75 JQ
Benzo(a)anthracene	--	1600	730	1100	2.5 JQ	3.9 U	3.4 U	4 U	4.7 U	4.5 U	3.5 JQ	**8.4 J**	1.1 JQ	**4.4**
Benzo(a)pyrene	--	4400	110	110	4.3 U	3.9 U	3.4 U	4 U	4.7 U	4.5 U	**4.5**	**13 J**	0.81 JQ	**4.4**
Benzo(b)fluoranthene	--	6200	1100	1100	**8.3**	1.5 JQ	0.8 JQ	4 U	4.7 U	4.5 U	**11**	**20 J**	2.2 JQ	**6.5**
Benzo(g,h,i)perylene	--	--	25000	--	3.4 JQ	3.9 U	3.4 U	4 U	4.7 U	4.5 U	2.4 JQ	**10 J**	4.4 U	2.3 JQ
Benzo(k)fluoranthene	--	--	11000	11000	**5.8**	3.9 U	3.4 U	4 U	4.7 U	4.5 U	3.1 JQ	**7.9 J**	0.67 JQ	2.9 JQ
Chrysene	--	--	3100	110000	**7.2**	0.51 JQ	0.93 JQ	1.3 JQ	4.7 U	4.5 U	**11**	**11 J**	1.7 JQ	**4.8**
Fluoranthene	--	--	10000	2400000	**8.6**	3.9 U	0.55 JQ	1.6 JQ	4.7 U	4.5 U	**11**	**21 J**	1.9 JQ	**8.2**
Fluorene	--	--	3700	3100000	2.9 JQ	3.9 U	3.4 U	2 JQ	4.7 U	4.5 U	**6.5**	**5**	4.3 JQ	0.52 JQ
Indeno(1,2,3-cd)pyrene	--	--	1100	1100	4.3 U	3.9 U	3.4 U	4 U	4.7 U	4.5 U	2.7 JQ	**8.9 J**	4.4 U	3 JQ
Naphthalene	--	77	77	5300	**7.1**	0.95 JQ	1.2 JQ	1.7 JQ	4.7 U	4.5 U	**16**	**33**	**15**	1.2 JQ
Pentachlorophenol	--	66	66	1000	4.5 JQ	7.8 U	6.8 U	**29**	9.6 U	9.1 U	8 JQ	10 U	6 JQ	7.5 U
Phenanthrene	--	--	5500	--	**32**	2.6 JQ	2.2 JQ	**4.1**	4.7 U	4.5 U	**48**	**25**	**5.8**	**4**
Pyrene	--	--	10000	1800000	**9.3**	0.94 JQ	3.4 U	4 U	4.7 U	4.5 U	**14**	**19 J**	2.7 JQ	**7.2**
PAH TEQ		4400	110	110	**3.5**	**2.2**	**1.9**	**2.2**	**2.7**	**2.5**	**8.0**	**18.8**	**3.0**	**7.3**
Volatile Organic Compounds (µg/kg)														
Acetone	--	--	--	--	**160**	**69**	**22**	12 U	9 JQ	15 U	14 JQ	1500 U	27 JQ	6.7 JQ
Benzene	--	23	--	8200	25 JQ	24 JQ	2.2 JQ	6.1 U	10 U	7.3 U	8.9 U	770 U	15 U	5.8 U

Table 4-10 Subsurface Soil Sample Analytical Results Summary - Potential Eastern Waste Disposal Area and UST Location

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375620 SL11TP01 JLTS0 3 - 4 ft	20375621 SL11TP02 JLTS1 6 - 7 ft	20375622 SL12TP01 JLTS2 3 - 4 ft	20375623 SL12TP02 JLTS3 7 - 8 ft	20375624 SL13TP01 JLTS4 1 - 2 ft	20375625 SL13TP02 JLTS5 4 - 5 ft	20375665 OP01TP01 JLTY5 4 - 5 ft	20375666 OP01TP02 JLTY6 6 - 7 ft	20375617 OP01TP03 JLTR7 7 - 7.5 ft	20385601 OP01GP01 JLTQ1 4 - 8 ft
		PGW	CF	DC										
Ethylbenzene	--	220	220	34000	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	770 U	7.6 JQ	5.8 U
Isopropylbenzene	--	96000	96000	3500000	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	210 JQ	**20**	5.8 U
m, p-Xylene	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	210 JQ	3 JQ	5.8 U
Methyl acetate	--	--	250000	--	**65**	22 JQ	**11**	6.1 U	10 U	7.3 U	8.9 U	770 U	15 U	5.8 U
Methylcyclohexane	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	**3200**	**5100**	5.8 U
o-Xylene	--	--	1000	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	120 JQ	1.5 JQ	5.8 U
Total Petroleum Hydrocarbons (mg/kg)														
Diesel Range Organics	--	9500	1100	1100	56 U	47 U	42 U	47 U	57 U	55 U	54 U	**380**	**200**	45 U
Motor Oil Range Organics	--	9500	1100	1100	**790**	120 U	100 U	120 U	140 U	140 U	140 U	**280**	120 U	110 U
Gasoline Range Organics	--	31	31	1200	33 U	22 U	7.3 U	6.7 U	16 U	17 U	13 U	**180**	20 U	7.9 U

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.

44.1 Tan shaded cell with ***underlined, italicized, and bolded type*** designates value above the value allowing soils to be reused as clean fill.

74 Grey shaded cell with **underlined and bolded type** designates value above soil RBC for protection of groundwater quality.For gasoline range organics, this value is also the clean fill screening level.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available, applicable, or analyzed for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

ODEQ = Oregon Department of Environmental Quality

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for TEQ (mammal) and TEQ (bird) are compared direct contact RBC and Level II Eco Risk Concentration for 2,3,7,8-TCDD (resepctively). See Section 4.2 for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 4-11 Groundwater Sample Analytical Results Summary

EPA Sample ID Station Location Description CLP Sample Number	RBC	20375677 SL01GW JLTZ7	20375678 SL01GW-D MJLTZ8	20385679 EW01GW JLTZ9	20385680 EW01GW-D MJLW00	20375685 SL05GW JLW05	20375686 SL05GW-D MJLW06	20375687 SL06GW JLW07	20375688 SL06GW-D MJLW08	20375689 SL07GW JLW09	20375690 SL07GW-D MJLW10
Sampling Area		Former Maintenance Bldg				PCP in Groundwater and Potential UST					
Dioxins/Furans (pg/L)											
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	43 JQ	--	4.4 U	--	4.3 U	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	6.5 JQ	--	3.5 U	--	3.5 U	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	2.4 U	--	2.5 U	--	2.5 U	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	1.5 U	--	1.6 U	--	1.5 U	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	3.2 U	--	3.3 U	--	3.3 U	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	3.3 JQ	--	2.2 U	--	2.2 U	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	2.7 U	--	2.8 U	--	2.8 U	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	2.1 U	--	2.2 U	--	2.2 U	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	3.8 U	--	4 U	--	3.9 U	--
1,2,3,7,8-PeCDD	--	--	--	--	--	3.7 U	--	3.9 U	--	3.8 U	--
1,2,3,7,8-PeCDF	--	--	--	--	--	3.8 U	--	4 U	--	3.9 U	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	3.4 U	--	3.5 U	--	3.5 U	--
2,3,4,7,8-PeCDF	--	--	--	--	--	3.4 U	--	3.5 U	--	3.5 U	--
2,3,7,8-TCDD	0.091	--	--	--	--	1.1 U	--	1.1 U	--	1.1 U	--
2,3,7,8-TCDF	--	--	--	--	--	1.1 U	--	1.1 U	--	1.1 U	--
OCDD	--	--	--	--	--	**340**	--	7.9 U	--	10 JQ	--
OCDF	--	--	--	--	--	28 JQ	--	6.7 U	--	6.7 U	--
TEQ (Bird)	--	--	--	--	--	**0.18 J**	--	**0**	--	**0.001 J**	--
TEQ (Fish)	--	--	--	--	--	**0.18 J**	--	**0**	--	**0.001 J**	--
TEQ (Mammal)	0.091	--	--	--	--	**0.93 J**	--	**0**	--	**0.003 J**	--
Target Analyte List Metals (µg/L)											
Arsenic	0.052	--	1 U	--	1 U	--	0.09 JQ	--	1 U	--	1 U
Barium	4000	--	**14.6**	--	**15.1**	--	7.9 JQ	--	8.6 JQ	--	8 JQ
Calcium	--	--	2690 JQ	--	2820 JQ	--	**7180**	--	**6390**	--	**6280**
Copper	800	--	2 U	--	**5.3**	--	2 U	--	2 U	--	2 U
Iron	--	--	100 U	--	100 U	--	**1960 J**	--	100 U	--	**228 J**
Magnesium	--	--	2150 JQ	--	2490 JQ	--	4210 JQ	--	**5430**	--	4000 JQ
Manganese	480	--	**40.9**	--	**45.8**	--	**529**	--	**669**	--	**546**
Mercury	6	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U
Sodium	--	--	**7350**	--	**7620**	--	**6770**	--	**8370**	--	**6910**
Semivolatile Organic Compounds (µg/L)											
Pentachlorophenol	0.044	0.2 U	--	0.2 U	--	0.061 JQ	--	0.2 U	--	0.21 U	--
Volatile Organic Compounds (µg/L)											
Methylcyclohexane	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
Total Petroleum Hydrocarbons (µg/L)											
Gasoline Range Organics	110	50 U	--	50 U	--	50 U	--	50 U	--	50 U	--

Table 4-11 Groundwater Sample Analytical Results Summary

EPA Sample ID Station Location Description CLP Sample Number	RBC	20375691 SL10GW JLW11	20375692 SL10GW-D MJLW12	20375703 SL15GW JLW23	20375704 SL15GW-D MJLW24	20375707 SL18GW JLW27	20375708 SL18GW-D MJLW28	20375709 SL20GW JLW29	20375710 SL20GW-D MJLW30	20375711 SL21GW JLW31	20375712 SL21GW-D MJLW32	20375713 SL22GW JLW33	20375714 SL22GW-D MJLW34
Sampling Area		**Former Transformer**		**Southern Wigwam Burner**				**Former Stud Mill and Vicinity**					
Dioxins/Furans (pg/L)													
1,2,3,4,6,7,8-HpCDD	--	--	--	41 JQ	--	10 JQ	--	**160**	--	10 JQ	--	8.5 JQ	--
1,2,3,4,6,7,8-HpCDF	--	--	--	3.6 JQ	--	3.5 U	--	28 JQ	--	3.5 U	--	3.5 U	--
1,2,3,4,7,8,9-HpCDF	--	--	--	2.5 U	--	2.5 U	--	2.5 U	--	2.5 U	--	2.5 U	--
1,2,3,4,7,8-HxCDD	--	--	--	1.5 U	--	1.5 U	--	1.8 U	--	1.5 U	--	1.5 U	--
1,2,3,4,7,8-HxCDF	--	--	--	3.3 U	--	3.3 U	--	3.3 U	--	3.3 U	--	3.3 U	--
1,2,3,6,7,8-HxCDD	--	--	--	2.9 JQ	--	2.2 U	--	5 JQ	--	2.2 U	--	2.2 U	--
1,2,3,6,7,8-HxCDF	--	--	--	2.8 U	--	2.8 U	--	2.8 U	--	2.8 U	--	2.8 U	--
1,2,3,7,8,9-HxCDD	--	--	--	2.5 JQ	--	2.2 U	--	3.1 JQ	--	2.2 U	--	2.2 U	--
1,2,3,7,8,9-HxCDF	--	--	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--
1,2,3,7,8-PeCDD	--	--	--	3.8 U	--	3.8 U	--	3.8 U	--	3.8 U	--	3.8 U	--
1,2,3,7,8-PeCDF	--	--	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--
2,3,4,6,7,8-HxCDF	--	--	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--
2,3,4,7,8-PeCDF	--	--	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--
2,3,7,8-TCDD	0.091	--	--	1.1 U	--	0.99 U	--	1.2 U	--	1.1 U	--	1.1 U	--
2,3,7,8-TCDF	--	--	--	1.1 U	--	1.1 U	--	1.2 U	--	1.1 U	--	1.1 U	--
OCDD	--	--	--	**190**	--	83 JQ	--	**1600**	--	**120**	--	29 JQ	--
OCDF	--	--	--	13 JQ	--	8.7 JQ	--	97 JQ	--	7 JQ	--	6.6 U	--
TEQ (Bird)	--	--	--	**0.38 J**	--	**0.019 J**	--	**0.97 J**	--	**0.023 J**	--	**0.011 J**	--
TEQ (Fish)	--	--	--	**0.15 J**	--	**0.019 J**	--	**0.69 J**	--	**0.023 J**	--	**0.011 J**	--
TEQ (Mammal)	0.091	--	--	**1 J**	--	**0.13 J**	--	**3.2 J**	--	**0.14 J**	--	**0.094 J**	--
Target Analyte List Metals (µg/L)													
Arsenic	0.052	--	1 U	--	1 U	--	**1.8**	--	**2**	--	**2.6**	--	**3.2**
Barium	4000	--	8.9 JQ	--	**12.7**	--	**14.9**	--	**12.6**	--	**17.4**	--	6.5 JQ
Calcium	--	--	**9280**	--	**12400**	--	**5260**	--	**6640**	--	**5030**	--	1890 JQ
Copper	800	--	**9.1**	--	2 U	--	2 U	--	2 U	--	2 U	--	2 U
Iron	--	--	100 U	--	100 U	--	**13700 J**	--	**10900 J**	--	**14400 J**	--	**19400 J**
Magnesium	--	--	3340 JQ	--	3110 JQ	--	3210 JQ	--	2780 JQ	--	2980 JQ	--	1610 JQ
Manganese	480	--	**29**	--	**58.8**	--	**1510**	--	**640**	--	**3010**	--	**463**
Mercury	6	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U
Sodium	--	--	**6500**	--	**8240**	--	**8230**	--	**8810**	--	**9360**	--	**7730**
Semivolatile Organic Compounds (µg/L)													
Pentachlorophenol	0.044	0.21 UJ	--	0.2 U	--	0.21 U	--	0.2 U	--	0.21 U	--	0.21 U	--
Volatile Organic Compounds (µg/L)													
Methylcyclohexane	--	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
Total Petroleum Hydrocarbons (µg/L)													
Gasoline Range Organics	110	--	--	50 U	--	50 U	--	50 U	--	50 U	--	50 U	--

Table 4-11 Groundwater Sample Analytical Results Summary

EPA Sample ID Station Location Description CLP Sample Number	RBC	20385681 TP3GW JLW01	20385682 TP3GW-D MJLW02	20385715 TP23GW JLW35	20385716 TP23GW-D MJLW36	20385717 TP25GW JLW37	20385718 TP25GW-D MJLW38	20385693 TP11GW JLW13	20385694 TP11GW-D MJLW14	20385695 TP12GW JLW15	20385696 TP12GW-D MJLW16	20385697 TP13GW JLW17	20385698 TP13GW-D MJLW18
Sampling Area		**Log Pond Perimeter**						**Potential Eastern Waste Disposal Area and UST Location**					
Dioxins/Furans (pg/L)													
1,2,3,4,6,7,8-HpCDD	--	--	--	4.4 U	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	3.5 U	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	2.5 U	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	1.5 U	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	3.3 U	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	2.2 U	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	2.8 U	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	2.2 U	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	4 U	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	3.9 U	--	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	4 U	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	3.5 U	--	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	3.5 U	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	0.091	--	--	0.75 U	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	1.1 U	--	--	--	--	--	--	--	--	--
OCDD	--	--	--	11 JQ	--	--	--	--	--	--	--	--	--
OCDF	--	--	--	6.7 U	--	--	--	--	--	--	--	--	--
TEQ (Bird)	--	--	--	**0.0011 J**	--	--	--	--	--	--	--	--	--
TEQ (Fish)	--	--	--	**0.0011 J**	--	--	--	--	--	--	--	--	--
TEQ (Mammal)	0.091	--	--	**0.0033 J**	--	--	--	--	--	--	--	--	--
Target Analyte List Metals (µg/L)													
Arsenic	0.052	--	1 U	--	**2.1**	--	**5.6**	--	1 U	--	**1.6**	--	1 U
Barium	4000	--	**32.9**	--	**15.6**	--	**360**	--	**20.4**	--	**43.9**	--	**12.2**
Calcium	--	--	3610 JQ	--	3000 JQ	--	**9150**	--	2210 JQ	--	**6010**	--	3370 JQ
Copper	800	--	2 U	--	2 U	--	2 U	--	2 U	--	2 U	--	2 U
Iron	--	--	**726 J**	--	**10600 J**	--	**160000 J**	--	100 U	--	**4460 J**	--	**223 J**
Magnesium	--	--	3200 JQ	--	3160 JQ	--	**6630**	--	1580 JQ	--	4760 JQ	--	2680 JQ
Manganese	480	--	**65.7**	--	**609**	--	**2680**	--	**25.9**	--	**104**	--	**112**
Mercury	6	--	0.2 U	--	0.2 U	--	**0.22**	--	0.2 U	--	0.2 U	--	0.2 U
Sodium	--	--	**8670**	--	**8150**	--	**12100**	--	**8150**	--	**12600**	--	**9300**
Semivolatile Organic Compounds (µg/L)													
Pentachlorophenol	0.044	0.2 U	--	0.21 U	--	0.21 U	--	0.2 U	--	0.2 U	--	0.2 U	--
Volatile Organic Compounds (µg/L)													
Methylcyclohexane	--	--	--	--	--	--	--	0.5 U	--	0.5 U	--	0.5 U	--
Total Petroleum Hydrocarbons (µg/L)													
Gasoline Range Organics	110	--	--	--	--	--	--	50 U	--	50 U	--	50 U	--

Table 4-11 Groundwater Sample Analytical Results Summary

EPA Sample ID Station Location Description CLP Sample Number	RBC	20385699 EW02GW JLW19	20385700 EW02GW-D MJLW20	20385733 OP01GW-D MJLW53	20385734 OP01GW JLW54
Sampling Area		**Potential Eastern Waste Disposal Area and UST Location**			
Dioxins/Furans (pg/L)					
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	0.091	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--
OCDD	--	--	--	--	--
OCDF	--	--	--	--	--
TEQ (Bird)	--	--	--	--	--
TEQ (Fish)	--	--	--	--	--
TEQ (Mammal)	0.091	--	--	--	--
Target Analyte List Metals (µg/L)					
Arsenic	0.052	--	1 U	0.2 JQ	--
Barium	4000	--	**11.4**	**10.5**	--
Calcium	--	--	3990 JQ	2210 JQ	--
Copper	800	--	2 U	2 U	--
Iron	--	--	100 U	**1630 J**	--
Magnesium	--	--	3730 JQ	1960 JQ	--
Manganese	480	--	**42.3**	**59.8**	--
Mercury	6	--	0.2 U	0.2 U	--
Sodium	--	--	**9360**	**7830**	--
Semivolatile Organic Compounds (µg/L)					
Pentachlorophenol	0.044	0.2 U	--	--	0.21 U
Volatile Organic Compounds (µg/L)					
Methylcyclohexane	--	0.5 U	--	--	**0.77**
Total Petroleum Hydrocarbons (µg/L)					
Gasoline Range Organics	110	50 U	--	--	**140**

Notes:

Bold type indicates the sample result is above the sample quantitation limit.

74 Grey shaded cell with **underlined and bolded type** designates value above residential groundwater RBC.

Key:

-- = Not available, applicable, or analyzed for given constituent.
CLP = Contract Laboratory Program
-D = Suffix used to designate filtered sample for dissolved consituents
EPA = United States Environmental Protection Agency
ID = Identification
J = The analyte was positively identified and the associated numerical value is an estimated quantity.
µg/L = Micrograms per liter
pg/L = Picograms per liter
PCP = Pentachlorophenol
Q = Result is estimated because the concentration is below the Contract Required Quantitation Limits.
RBC = Risk-based concentration for residential groundwater consumption.
TEQ = Toxicity Equivalent Quotient. Value for TEQ (mammal) is compared to RBC for 2,3,7,8-TCDD. See Section 4.2 for additional information on how TEQ was calculated.
U = The material was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
UST = Underground Storage Tank

Table 4-12 Surface Soil Sample Analytical Results Summary - Incremental Sampling Method

EPA Sample ID Station Location Description Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375667 DU01SS 0-4 cm	20385668 DU02SS 0-4 cm	20385669 DU03SS 0-4 cm	20385670 DU04SS 0-4 cm	20385671 DU05SS 0-4 cm	20385672 DU06SS 0-4 cm	20385675 DU06SS-R 0-4 cm	20385676 DU06SS-T 0-4 cm	20385673 DU07SS 0-4 cm	20375674 DU08SS 0-4 cm
		PGW	CF	DC										
Dioxins/Furans (ng/kg)														
1,2,3,4,6,7,8-HpCDF	--	--	--	--	206	10.2	23.6	48.4	204	131	136	140	79.3	10.4
1,2,3,4,6,7,8-HpCDD	--	--	--	--	1260	56.4	117	205	652	479	488	556	737	41
1,2,3,4,7,8,9-HpCDF	--	--	--	--	12.5	0.88 J	2.12 J	3.84	14.9	10.9	9.73	11.6	6.56	0.73 J
1,2,3,4,7,8-HxCDF	--	--	--	--	11.5	0.922 J	1.81 J	3.85	15.9	11.7	11.6	13	6.46	0.868 J
1,2,3,4,7,8-HxCDD	--	--	--	--	11.3	0.998 J	1.37 J	2.88	7.9 U	7.72	7.39	10.6	21.1	0.811 J
1,2,3,6,7,8-HxCDF	--	--	--	--	5.34 J	0.465 J	0.933 J	2.7	12.3 J	7.25	6.88	8.3	3.8	0.679 J
1,2,3,6,7,8-HxCDD	--	--	--	--	43.3	2.66	4.7	8.5	27.5	24.2	21.6	26	29.2	2.09 J
1,2,3,7,8,9-HxCDF	--	--	--	--	4.43 J	0.4 J	0.712 J	1.11 J	5.35 J	3.92	3.68 J	4.36	2.5 J	0.33 U
1,2,3,7,8,9-HxCDD	--	--	--	--	19.9	2.18 J	2.77	6.19	17.9	18.5	17.8	26.1	30	1.54 J
1,2,3,7,8-PeCDF	--	--	--	--	2.75 J	0.398 J	0.454 J	1.12 J	6.8 J	4.6	4.02	5	1.73 J	0.353 J
1,2,3,7,8-PeCDD	--	--	--	--	5.71 J	0.889 J	1.2 U	1.98 J	5.43 J	6.33	7.1	9.8	12.6	0.61 J
2,3,4,6,7,8-HxCDF	--	--	--	--	13 U	0.787 J	2 U	4.9 U	19 U	12.5	12 U	13 U	7.7 U	1.01 J
2,3,4,7,8-PeCDF	--	--	--	--	6.22 J	0.597 J	0.955 J	2.15 J	11.1 J	8.35	7.52	9.5	3.18	0.878 J
2,3,7,8-TCDF	--	--	--	--	1 J	0.622	0.37 U	0.678	9.5	5.67	5.53	5.53	1.67	0.424 J
2,3,7,8-TCDD	--	6.8	0.29	4.7	9.45	0.544	2.79	0.984	2.71	2.59	2.94	3.27	7.74	0.669
OCDF	--	--	--	--	892	30	81.8	142	617	403	437	491	239	36
OCDD	--	--	--	--	9930	501	966	1570	5640	3740	3760	4090	5160	364
TEQ (Bird)	--	--	--	55	33.60	3.46	6.78	8.91	40.60	31.73	31.64	38.40	33.89	3.31
TEQ (Fish)	--	--	--	--	32.69	2.81	6.29	7.87	27.63	23.74	24.15	30.56	37.42	2.68
TEQ (Mammal)	--	--	0.29	4.7	46.12	3.36	7.50	9.81	33.80	28.16	28.66	35.21	41.44	2.97
Target Analyte List Metals (mg/kg)														
Aluminum	--	--	--	--	25200	34300	34600	28900	21500	23300	25600	23200	26100	22200
Antimony	0.59	--	--	--	0.184 J	0.329 J	0.221 J	0.624 J	6.07 J	2.62 J	2.2 J	16.4 J	5.15 J	0.094 J
Arsenic	12	--	10	0.43	4.29 J	8.05 J	6.5 J	10.2 J	8.69 J	15.1 J	9.2 J	12.3 J	12.2 J	4.18 J
Barium	630	--	--	15000	68.7	535	264	936	299	253	233	272	403	81.3
Beryllium	1.4	--	--	160	0.329	0.318	0.319	0.313	0.296	0.302	0.351	0.311	0.37	0.35
Cadmium	0.52	--	--	78	0.21	0.221	0.205	0.74	1.26	0.995	0.786	0.977	0.367	0.375
Calcium	--	--	--	--	3740	16500	6510	22000	8940	9910	9600	9460	12000	4340
Chromium	890	--	--	120000	78.5	93.4	94	83.4	68.8	81	83.6	89.1	72.5	67.1
Cobalt	--	--	--	--	14.6	15.3	15.8	14.8	16.1	19	17.8	18.6	16.4	23.1
Copper	110	--	--	3100	50.8	85.3	70.1	111	183	279	242	167	92.8	57.3
Iron	--	--	--	--	35000 J	39400 J	39200 J	37900 J	49000 J	57900 J	51900 J	61200 J	43400 J	30300 J
Lead	36	30	--	400	20.2 J	19.4 J	18 J	43.7 J	246 J	125 J	101 J	226 J	32.5 J	15.2 J
Magnesium	--	--	--	--	12500	14900	13700	13000	8640	9100	10500	9950	10400	11700
Manganese	3000	--	--	--	513	1340	896	2640	1070	879	799	978	1160	1140
Mercury	0.17	--	23	--	0.111	0.09	0.089	0.068	0.585	0.206	0.221	0.194	0.08	0.066
Nickel	630	--	--	--	76.3	101	98.5	84.7	72	83	86.2	83.5	73	69.8
Potassium	--	--	--	--	982	3880	2160	5230	2600	2690	2840	2540	3990	1060
Silver	0.16	--	--	390	0.06	0.412	0.181	0.991	0.439	0.309	0.234	0.366	0.167	0.067
Sodium	--	--	--	--	133	475	182	621	1410	1360	1720	1420	1560	174
Thallium	0.31	--	0.78	--	0.08	0.075	0.078	0.07	0.054	0.061	0.069	0.076	0.052	0.076
Vanadium	290	--	--	--	79.3	94.5	94.6	81.6	64	72.7	79.4	75	70.6	75.8
Zinc	140	--	--	--	150	187	178	462	383	416	382	431	148	93.1

Table 4-12 Surface Soil Sample Analytical Results Summary - Incremental Sampling Method

EPA Sample ID Station Location Description Sample Depth (bgs)	Back-ground Metals [a]	Risk Based Concentrations [b]			20375667 DU01SS 0-4 cm	20385668 DU02SS 0-4 cm	20385669 DU03SS 0-4 cm	20385670 DU04SS 0-4 cm	20385671 DU05SS 0-4 cm	20385672 DU06SS 0-4 cm	20385675 DU06SS-R 0-4 cm	20385676 DU06SS-T 0-4 cm	20385673 DU07SS 0-4 cm	20375674 DU08SS 0-4 cm
		PGW	CF	DC										
Semivolatile Organic Compounds (µg/kg)														
Methylnaphthalene, 2-	--	--	11000	--	**6.5 J**	1.8 JQ	3.2 JQ	**8.3 J**	**5.1 J**	**10 J**	**10 J**	**11 J**	**9 J**	4.7 JQ
Benzo(b)fluoranthene	--	6200	1100	1100	0.38 UJ	0.38 UJ	1.5 JQ	4.2 JQ	2.6 JQ	2.7 JQ	3.9 JQ	**5.3 J**	2.6 JQ	4.2 JQ
Benzo(g,h,i)perylene	--	--	25000	--	0.4 UJ	0.4 UJ	0.4 UJ	1.4 JQ	1 JQ	0.95 JQ	2.2 JQ	**7.6 J**	1.2 JQ	1.7 JQ
Dibenzofuran	--	--	2	--	***5*** **J**	4.5 UJ	4 UJ	***13*** **J**	***5.5*** **J**	***12*** **J**	***14*** **J**	***14*** **J**	5 UJ	3.2 UJ
Fluoranthene	--	--	10000	2E+06	**16 J**	3.7 UJ	4.6 UJ	**14 J**	**7.7 J**	**9.9 J**	**15 J**	**11 J**	**7.4 J**	**5.8 J**
Naphthalene	--	77	77	5300	**9.9 J**	**6.3 J**	**7.1 J**	**18 J**	**9.9 J**	**22 J**	**22 J**	**30 J**	**10 J**	4.6 UJ
Phenanthrene	--	--	5500	--	**33 J**	**9.5 J**	**9.5 J**	**30 J**	**13 J**	**25 J**	**34 J**	**26 J**	**20 J**	**19 J**
Pyrene	--	--	10000	2E+06	**7.7 J**	1.8 UJ	1.8 UJ	**6.1 J**	4.1 UJ	**6.1 J**	**9.4 J**	**6.3 J**	4.9 UJ	4.5 UJ
Total Organic Carbon (mg/kg)														
Total Organic Carbon	--	--	--	--		**55200**				**89900**				**115000**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with **underlined and bolded type** designates value above soil RBC for direct contact, ingestion, or inhalation in a residential setting.

Note that for metals, these concentrations are below the regional background metals level, and for dioxins/furans, value also exceeds the clean fill standard.

44.1 Tan shaded cell with ***underlined, italicized, and bolded type*** designates value above the value allowing soils to be reused as clean fill.

32.5 Grey shaded cell with **underlined and bolded type** designates value above soil RBC for protection of groundwater quality, and for metals, below regional background metals value.

43.7 Grey shaded cell with **underlined and bolded type** designates value above soil RBC for protection of groundwater quality, but above regional background metals value.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Values are RBCs protective of human health in a residential setting. Although not techncially an RBC, Clean Fill values are included in this column.

Key:

-- = Not available, applicable, or analyzed for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CF = Clean Fill

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

DC = RBC protective of exposure through soil ingestion, dermal contact, and inhalation.

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

ODEQ = Oregon Department of Environmental Quality

PGW = RBC designated to be protective of soil contamination negatively impacting groundwater

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration in a residential setting

TEQ = Toxicity Equivalent Quotient. Values for TEQ (mammal) and TEQ (bird) are compared direct contact RBC and Level II Eco Risk Concentration for 2,3,7,8-TCDD (resepctively). See Section 4.2 for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected.

Table 4-13 Sediment Sample Analytical Results Summary - Former Log and Fire Suppresion Ponds

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Value [b]	20375654 PD01SD JLTX4 0 - 6 in	20375655 PD02SD JLTX5 0 - 6 in	20375656 PD03SD JLTX6 0 - 6 in	20375657 PD04SD JLTX7 0 - 6 in	20375658 PD05SD JLTX8 0 - 6 in	20375659 PD06SD JLTX9 0 - 12 in	20375660 PD07SD JLTY0 0 - 12 in	20375661 PD08SD JLTY1 0 - 12 in	20375662 PD09SD JLTY2 0 - 12 in
Dioxins/Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	--	--	**3200**	**2600**	**2500**	**100**	**43**	**44**	**100**	**69**	**16**
1,2,3,4,6,7,8-HpCDF	--	--	**880**	**700**	**620**	**26**	**9.3**	**12**	**23**	**15**	3.7 JQ
1,2,3,4,7,8,9-HpCDF	--	--	**68**	**51**	**44**	1.8 JQ	0.72 JQ	0.79 JQ	1.5 JQ	1 JQ	0.36 U
1,2,3,4,7,8-HxCDD	--	--	**33**	**35**	**33**	1.8 JQ	0.59 JQ	0.75 JQ	1.5 JQ	1.2 JQ	0.52 U
1,2,3,4,7,8-HxCDF	--	--	**83**	**71**	**63**	2.3 JQ	0.66 JQ	1 JQ	1.9 JQ	1.2 JQ	0.44 U
1,2,3,6,7,8-HxCDD	--	--	**140**	**120**	**150**	**5.2**	2.4 JQ	2.4 JQ	**6**	3.7 JQ	0.94 JQ
1,2,3,6,7,8-HxCDF	--	--	**39**	**32**	**29**	1.6 JQ	0.37 U	0.76 JQ	1.2 JQ	0.79 JQ	0.37 U
1,2,3,7,8,9-HxCDD	--	--	**60**	**67**	**62**	**5.4**	1.8 JQ	1.3 JQ	2.9 JQ	2.3 JQ	0.55 U
1,2,3,7,8,9-HxCDF	--	--	**27**	**22**	**23**	0.77 JQ	0.47 U	0.49 JQ	0.76 JQ	0.49 JQ	0.47 U
1,2,3,7,8-PeCDD	--	--	**21**	**25**	**24**	1 JQ	0.38 JQ	0.61 JQ	0.78 JQ	0.75 JQ	0.31 JQ
1,2,3,7,8-PeCDF	--	--	**13**	**11**	**11**	0.75 JQ	0.3 U	0.42 JQ	0.53 JQ	0.42 JQ	0.3 U
2,3,4,6,7,8-HxCDF	--	--	**60**	**53**	**48**	1.8 JQ	0.44 U	0.97 JQ	1.6 JQ	1 JQ	0.44 U
2,3,4,7,8-PeCDF	--	--	**33**	**30**	**28**	1.4 JQ	0.31 JQ	0.86 JQ	1.2 JQ	0.83 JQ	0.32 JQ
2,3,7,8-TCDD	--	9	**7.1**	**4.5**	**4.5**	0.99 JQ	**1.1**	**3.6**	0.88 JQ	**1.5**	0.37 JQ
2,3,7,8-TCDF	--	--	**3.1**	**2.9**	**3.1**	0.63 JQ	0.2 JQ	0.35 JQ	0.48 JQ	0.49 JQ	0.18 JQ
OCDD	--	--	**33000 J**	**24000 J**	**24000 J**	**870**	**410**	**330**	**720**	**550**	**120**
OCDF	--	--	**2600**	**1600**	**1400**	**68**	**35**	**30**	**57**	**39**	7.5 JQ
TEQ (Bird)	--	9	**110**	**100**	**99**	**5.9 J**	**2.5 J**	**6.2 J**	**4.7 J**	**4.5 J**	**1.2 J**
TEQ (Fish)	--	9	**100**	**96**	**90**	**4.9 J**	**2.2 J**	**5.6 J**	**4.1 J**	**4 J**	**0.92 J**
TEQ (Mammal)	--	9	**140**	**120**	**120**	**5.9 J**	**2.8 J**	**6 J**	**5.1 J**	**4.7 J**	**1.1 J**
Target Analyte List Metals (mg/kg)											
Aluminum	--	--	**25200**	**25400**	**23200**	**20900**	**19100**	**17400**	**20700**	**20900**	**22000**
Arsenic	12	6	**2.6**	**2.7**	**3.3**	**3.2**	**2.4**	**3**	**3.9**	**4.5**	**4.9**
Barium	630	--	**124**	**137**	**190**	**129**	**75.7**	**92.8**	**119**	**101**	**86.9**
Beryllium	1.4	--	0.74 JQ	**0.73**	0.81 JQ	**0.85**	**0.68**	**0.6**	**0.77**	**0.72**	**0.81**
Calcium	--	--	**2780**	**2590**	**7350**	**1580**	**2920**	**1350**	**1570**	**1350**	487 JQ
Chromium	890	37	**75**	**74.6**	**78.1**	**49**	**51.3**	**40.9**	**47.7**	**48.5**	**46.2**
Cobalt	--	--	**13.7**	**13.4**	**15.4**	**15**	**10.6**	**10.6**	**14**	**11.5**	**13**
Copper	110	36	**46.1**	**53.6**	**72**	**33.7**	**32.9**	**25.6**	**30.6**	**30.6**	**30.2**
Iron	--	--	**32400**	**32400**	**42200**	**29600**	**29100**	**19100**	**28100**	**25900**	**32100**
Lead	36	35	**12.7 J**	**17.4 J**	**44.2 J**	**9.3**	**7.4**	**7**	**8.2**	**8.2**	**6.9**
Magnesium	--	--	**11000**	**9140**	**9030**	**4120**	**8010**	**3700**	**3820**	**3850**	**5680**
Manganese	3000	1100	**360**	**331**	**660**	**332**	**336**	**162**	**316**	**184**	**269**
Mercury	0.17	--	0.24 U	**0.19**	0.28 U	**0.2**	0.16 U	**0.13**	**0.14**	**0.16**	0.18 U
Nickel	630	18	**84.9**	**70**	**68.5**	**52.3**	**56.7**	**45**	**53.4**	**51.5**	**53.8**
Potassium	--	--	256 JQ	**510**	491 JQ	253 JQ	375 JQ	432 U	492 U	492 U	371 JQ
Vanadium	290	--	**53.6 J**	**60.7 J**	**56.3 J**	**52.2**	**47**	**53.3**	**58.4**	**69.6**	**56.3**
Zinc	140	123	**130**	**135**	**277**	**87.9**	**64.1**	**68.4**	**71.8**	**81.8**	**105**

Table 4-13 Sediment Sample Analytical Results Summary - Former Log and Fire Suppresion Ponds

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Value [b]	20375654 PD01SD JLTX4 0 - 6 in	20375655 PD02SD JLTX5 0 - 6 in	20375656 PD03SD JLTX6 0 - 6 in	20375657 PD04SD JLTX7 0 - 6 in	20375658 PD05SD JLTX8 0 - 6 in	20375659 PD06SD JLTX9 0 - 12 in	20375660 PD07SD JLTY0 0 - 12 in	20375661 PD08SD JLTY1 0 - 12 in	20375662 PD09SD JLTY2 0 - 12 in
Semivolatile Organic Compounds (µg/kg)											
2-Methylnaphthalene	--	--	5.6 JQ	**13**	**13**	18 U	0.81 JQ	16 U	13 U	16 U	6.8 U
Benzo(a)anthracene	--	32	5.8 JQ	**32 J**	**12 J**	18 U	4.9 U	16 U	13 U	16 U	6.8 U
Benzo(b)fluoranthene	--	--	7.6 JQ	**24**	6.3 JQ	18 U	1 JQ	7.3 JQ	4 JQ	16 U	1.9 JQ
Chrysene	--	57	8.9 JQ	**13 J**	7.9 JQ	2.7 JQ	0.97 JQ	3.6 JQ	13 U	16 U	1.7 JQ
Fluoranthene	--	111	**18**	**45**	**18**	2.5 JQ	0.97 JQ	6.9 JQ	**28 J**	5.7 JQ	6.8 U
Naphthalene	--	176	8.9 JQ	**12**	**13**	18 U	4.9 U	16 U	13 U	16 U	6.8 U
Pentachlorophenol	--	--	**20**	14 JQ	8.9 JQ	37 U	10 U	32 U	27 U	33 U	14 U
Phenanthrene	--	42	**26**	**53**	**36**	4.7 JQ	3.5 JQ	5.1 JQ	4.1 JQ	4.1 JQ	3.8 JQ
Pyrene	--	53	**14**	**14 J**	7.7 JQ	18 U	0.58 JQ	4.1 JQ	13 U	16 U	6.8 U
PAH TEQ	--	32	**6.5**	**11.7**	**6.7**	**10.1**	**2.7**	**9.3**	**7.6**	**8.9**	**3.9**
Total Organic Carbon (mg/kg)											
Total Organic Carbon	--	--	**111000**	**100000**	**228000**	**178000**	**68600**	**136000**	**137000**	**153000**	**47100**

Notes:

Bold type indicates the sample result is above the sample quantitation limit.

74 Grey shaded cell with **underlined and bolded type** designates value above Level II Screening Value for Freshwater Sediment but below background metals concentration.

277 Orange shaded cell with **underlined and bolded type** designates value above both Level II Screening Value for Freshwater Sediment and background metals concentration.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Value is Level II SLV for Freshwater Sediment, non-bioacucmulative.

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ID = Identification.

in = inches

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

PAH = Polycyclic aromatic hydrocarbons

Q = Detected concentration is below the method reporting limit/CRQL.

SLV = Screening Level Value

TEQ = Toxicity Equivalent Quotient. All calculated TEQ values are compared to Level II SLV for 2,3,7,8-TCDD.

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 4-14 Surface Water Sample Analytical Results Summary - Former Log and Fire Suppression Ponds

EPA Sample ID Station Location Description CLP Sample Number	Level II SLV *	20375719 PD01SW JLW39	20375720 PD01SW-D MJLW40	20375721 PD05SW JLW41	20375722 PD05SW-D MJLW42	20375723 PD06SW JLW43	20375724 PD06SW-D MJLW44	20375725 PD09SW JLW45	20375726 PD09SW-D MJLW46
Dioxins/Furans (pg/L)									
1,2,3,4,6,7,8-HpCDD	--	13 JQ	--	4.1 U	--	4.2 U	--	8 JQ	--
1,2,3,4,6,7,8-HpCDF	--	4.3 JQ	--	3.3 U	--	3.4 U	--	3.4 U	--
1,2,3,4,7,8,9-HpCDF	--	2.4 U	--	2.4 U	--	2.4 U	--	2.8 U	--
1,2,3,4,7,8-HxCDD	--	1.5 U	--	1.4 U	--	1.5 U	--	1.4 U	--
1,2,3,4,7,8-HxCDF	--	3.2 U	--	3.2 U	--	3.2 U	--	3.2 U	--
1,2,3,6,7,8-HxCDD	--	2.1 U	--	2.1 U	--	2.1 U	--	2.1 U	--
1,2,3,6,7,8-HxCDF	--	2.7 U	--	2.7 U	--	2.7 U	--	2.7 U	--
1,2,3,7,8,9-HxCDD	--	2.1 U	--	2.1 U	--	2.1 U	--	2.1 U	--
1,2,3,7,8,9-HxCDF	--	3.8 U	--	3.7 U	--	3.8 U	--	3.7 U	--
1,2,3,7,8-PeCDD	--	3.7 U	--	3.6 U	--	3.7 U	--	3.6 U	--
1,2,3,7,8-PeCDF	--	3.8 U	--	3.7 U	--	3.8 U	--	3.7 U	--
2,3,4,6,7,8-HxCDF	--	3.4 U	--	3.3 U	--	3.4 U	--	3.4 U	--
2,3,4,7,8-PeCDF	--	3.4 U	--	3.3 U	--	3.4 U	--	3.4 U	--
2,3,7,8-TCDD	7600 [m]	0.99 U	--	1.1 U	--	0.72 U	--	0.71 U	--
2,3,7,8-TCDF	--	1.1 U	--	1.1 U	--	1.1 U	--	1.1 U	--
OCDD	--	**130**	--	24 JQ	--	16 JQ	--	94 JQ	--
OCDF	--	9.1 JQ	--	6.3 U	--	6.4 U	--	6.3 U	--
TEQ (Bird)	100000 [b]	**0.07 J**	--	**0.0024 J**	--	**0.0016 J**	--	**0.017 J**	--
TEQ (Fish)	--	**0.07 J**	--	**0.0024 J**	--	**0.0016 J**	--	**0.017 J**	--
TEQ (Mammal)	7600 [m]	**0.21 J**	--	**0.0072 J**	--	**0.0048 J**	--	**0.11 J**	--
Target Analyte List Metals (µg/L)									
Aluminum	87 [a]	**343**	200 U	179 JQ	200 U	196 JQ	200 U	107 JQ	200 U
Iron	1000 [a]	**1780**	**398**	**628**	**166**	**605**	100 U	**318**	100 U
Manganese	120 [a]	**51.2**	**36.8**	**23.6**	**16.6**	**39.1**	**23.3**	**16.7**	15 U
Sodium	--	**8170**	**8140**	**7850**	**8210**	**7910**	**8190**	**7850**	**8120**
Barium	4 [a]	**12.7**	**12.5**	**14.7**	**14.9**	**14.8**	**13.9**	**12.6**	**13.6**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

74 Grey shaded cell with **underlined and bolded type** designates value above Level II SLV.

* = Value is lowest Level II Screening Value for constituent in Surface Water. Superscript letter designates associated receptor.

a = Value for aquatic receptor

b = Value for bird receptor

m = Value for mammal receptor

Key:

-- = Not available, applicable, or analyzed for given constituent.

CLP = Contract Laboratory Program

-D = Suffix used to designate filtered sample for dissolved constituents

EPA = United States Environmental Protection Agency

ID = Identification

J = The analyte was positively identified and the associated numerical value is an estimated quantity.

µg/L = Micrograms per liter

pg/L = Picograms per liter

Q = Result is estimated because the concentration is below the Contract Required Quantitation Limits.

RBC = Risk-based Concentration

SLV = Screening Level Value

TEQ = Toxicity Equivalent Quotient. Value for TEQ (mammal) and TEQ (bird) is compared to RBC for 2,3,7,8-TCDD. See Section 4.2 for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

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Table 5-1 Summary of Criteria Value Exceedances

	Analyte	Range of Detected Concentrations	Frequency of Detection	Frequency of Exceedance of Criteria Value	Lowest Criteria Value Exceeded	Number of Results Above Background	Criteria Value Exceeded
Former Maintenance Building							
Subsurface Soil							
Metals (mg/kg)	Arsenic	3.6 - 3.7	2/2	2/2	0.43	0/2	a
Log Pond Perimter							
Surbsurface Soil							
Dioxins/Furans (ng/kg)	2,3,7,8-TCDD	1.2 - 2.4	2/9	2/9	0.29	--	b
	TEQ (Mammal)	0.011 J - 20 J	9/9	6/9	0.29	--	b
Metals (mg/kg)	Arsenic	1.8 - 5.1	12/12	12/12	0.43	0/12	c
SVOCs (µg/kg)	Bis(2-ehtylhexyl)phthalate	5200 J	1/12	1/12	20	--	b
PCP in Groundwater and Potential UST							
Subsurface Soil							
Dioxins/Furans (ng/kg)	TEQ (Mammal)	0.028 J - 25 J	8/8	4/8	0.28	--	b, c
Metals (mg/kg)	Arsenic	2.2 - 5.2	8/8	8/8	0.43	0/8	c
Former Transformer Location							
Subsurface Soil							
Metals (mg/kg)	Arsenic	3.8	2/2	2/2	0.43	0/2	c
Southern Wigwam Burner							
Subsurface Soil							
Dioxins/Furans (ng/kg)	2,3,7,8-TCDD	3.3	1/13	1/13	0.29	--	b
	TEQ (Mammal)	0.00093 J - 16 J	13/13	7/13	0.29	--	b
Metals (mg/kg)	Arsenic	1.6 - 8.6	13/13	13/13	0.43	0/13	c
Stud Mill							
Subsurface Soil							
Dioxins/Furans (ng/kg)	2,3,7,8-TCDD	2.7	1/5	1/5	0.29	--	b
	TEQ (Mammal)	0.066 J - 29 J	5/5	4/5	0.29	--	b
Metals (mg/kg)	Arsenic	3 - 4.5	5/5	5/5	0.43	0/5	c
Potential Eastern Waste Disposal Area and UST Location							
Subsurface Soil							
Metals (mg/kg)	Arsenic	1.4 - 8	10/10	10/10	0.43	0/10	c
TPH (mg/kg)	Gasoline Range Organics	180	1/10	1/10	31	--	c
Former Log and Fire Suppression Ponds							
Sediment							
Dioxins/Furans (ng/kg)	TEQ (bird)	1.2 J - 110	9/9	3/9	9	--	d
	TEQ (fish)	0.92 J - 100	9/9	3/9	9	--	d
	TEQ (Mammal)	1.1 J - 140	9/9	3/9	9	--	d
Metals (mg/kg)	Chromium	40.9 - 78.1	9/9	9/9	37	0/9	d
	Copper	30.2 - 72	9/9	3/9	36	0/9	d
	Nickel	45 - 84.9	9/9	9/9	19	0/9	d
	Zinc	64.1 - 277	9/9	3/9	123	1/9	d
SVOCs (µg/kg)	Benzo(a)anthracene	12 J - 32 J	2/9	1/9	32	--	d
	Phenanthrene	26 - 53	2/9	1/9	42	--	d
Groundwater							
Dioxins/Furans (pg/L)	TEQ (Mammal)	0.003 J - 3.2 J	8/19	6/19	0.091	--	e
Dissolved Metals (µg/L)	Arsenic	1.6 - 5.6	7/19	7/19	0.052	--	e
	Managanese	25.9 - 2,680	19/19	8/19	480	--	e
TPH (µg/L)	Gasoline Range Organics	140	1/16	1/16	110	--	e
Incremental Sampling Method							
Surface Soil							
Dioxins/Furans (ng/kg)	2,3,7,8-TCDD	0.544 - 9.45	10/10	10/10	0.29	--	b
	TEQ (Mammal) U = 0	2.94 - 44.82	10/10	10/10	0.29	--	b
	TEQ (Mammal) U = MRL	2.97 - 46.12	10/10	10/10	0.29	--	b
Metals (mg/kg)	Arsenic	4.18 J - 15.1 J	10/10	10/10	0.43	3	c
	Lead	15.2 J - 226 J	10/10	6/10	30	6	f, g
SVOCs (µg/kg)	Dibenzofuran	5 J - 14 J	6/10	6/10	2	--	b

Key at end of table.

Table 5-1 Summary of Criteria Value Exceedances

	Analyte	Range of Detected Concentrations	Frequency of Detection	Frequency of Exceedance of Criteria Value	Lowest Criteria Value Exceeded	Number of Results Above Background	Criteria Value Exceeded

Notes:

a Oregon Department of Environmental Quality Risk-Based Concentration for direct contact.
b Oregon Department of Environmental Quality Risk-Based Concentration allowing soils to be reused as clean fill.
c Oregon Department of Environmental Quality Risk-Based Concentration for direct contact, ingestion, or inhalation in a residential setting, but below the regional background metals level.
d Level II SLV for Freshwater Sediment, non-bioaccumulative.
e Oregon Department of Environmental Quality Risk-Based Concentration.
f Background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.
g Oregon Department of Environmental Quality Risk-Based Concentration protective of soil contamination negatively impacting groundwater.
-- Criteria is not applicable to given analyte

Key: Add to key: PCP, ODEQ, SLV, ug/L, pg/L, pg/kg, TEQ, MRL, ng/kg. Remove PAHs, EPA, ISM.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
µg/kg = Micrograms per kilogram
µg/L = Micrograms per liter
mg/kg = Milligrams per kilogram
MRL = Method reporting level
ng/kg = Nanograms per kilogram
ODEQ = Oregon Department of Environmental Quality
pg/kg = Picograms per kilogram
pg/L = Picograms per liter
PCP = Pentachlorophenol
SLV = Screening level value
SVOCs = Semivolatile organic compounds
TEQ = Toxicity equivalent quotient
TPHs = Total petroleum hydrocarbons
UST = Underground storage tank

Appendices

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A

Select Historic Photographs and Site Maps

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Western States Plywood, September 27, 1973

Western States Plywood, August 12, 1975

Western States Plywood, April 27, 1976

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands

March 9, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

B Site Visit and Field Event Photographs

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Photo 1 Former log storage yard as viewed from southwest corner of site, near former maintenance building

Direction: East *Date: 3/10/2020* *Time: 14:03* *By: DP*

Photo 2 Former maintenance building on Tax Lot 900

Direction: West *Date: 3/10/2020* *Time: 14:02* *By: DP*

Photo 3 Well on Tax Lot 900, installed east of former maintenance building

Direction: Down *Date: 3/10/2020* *Time: 13:56* *By: DP*

Photo 4 Debris and burn barrel on Tax Lot 900 along gravel drive near former maintenance building

Direction: South *Date: 3/10/2020* *Time: 13:55* *By: DP*

Photo 5 Seep leading to fire pond, with pump house in background

Direction: NW *Date: 3/10/2020* *Time: 13:55* *By: DP*

Photo 6 Fire pond from above wood bridge over concrete weir/spillway. Bagley Creek outfall to pond visible on back right side of pond

Direction: SW *Date: 3/10/2020* *Time: 13:49* *By: DP*

Photo 7 Fire pond from above wood bridge over concrete weir/spillway. Building is former pump house.

Direction: S-SE *Date: 3/10/2020* *Time: 13:49* *By: DP*

Photo 8 Inside of fire pond pump house.

Direction: NW *Date: 3/10/2020* *Time: 13:54* *By: DP*

Photo 9 View of north side of fire pond with log pond in background

Direction: NW *Date: 3/10/2020* *Time: 14:12* *By: DP*

Photo 10 Concrete weir/stepped spill way that drains fire pond beneath wood bridge

Direction: SW *Date: 3/10/2020* *Time: 14:18* *By: DP*

Photo 11 View along creek channel within log pond

Direction: North *Date: 3/10/2020* *Time: 14:26* *By: DP*

Photo 12 Standing water in log pond, as viewed from atop northern dam/dike

Direction: W-SW *Date: 3/10/2020* *Time: 15:38* *By: DP*

Photo 13 View along northern dike/dam of log pond. As seen adjacent to notch excavated in pond where Bagley Creek flows from pond

Direction: NW *Date: 3/10/2020* *Time: 14:50* *By: DP*

Photo 14 Soil pile next to notch cut in earthen dam. Assumed to be soil that was excavated from dam/dike wall to allow Bagley Creek to flow

Direction: N-NE *Date: 3/10/2020* *Time: 14:57* *By: DP*

Photo 15 Concrete footing on east side of log pond, near former ring-debarker and other structures

Direction: Down *Date: 3/10/2020* *Time: 14:33* *By: DP*

Photo 16 Additional concrete footing located slightly to the south

Direction: North *Date: 3/10/2020* *Time: 14:36* *By: DP*

Photo 17 Concrete retaining wall and metal supports along northeast side of log pond, near what was the northwest corner of the mill

Direction: NW *Date: 3/10/2020* *Time: 14:38* *By: DP*

Photo 18 Reported location of large southern wigwam burner, within overgrown blackberry patch

Direction: NE *Date: 3/10/2020* *Time: 15:02* *By: DP*

Photo 19 Blackberry bushes and other vegetation overgrown on former southern wigwam burner

Direction: West *Date: 3/10/2020* *Time: 15:35* *By: DP*

Photo 20 View from tree line north of clearing where wigwam burners and log pond are located

Direction: West *Date: 3/10/2020* *Time: 15:37* *By: DP*

Photo 21 View from concrete footing pad that would have been north of NW corner of mill, looking at area between wigwam burners

Direction: N-NE *Date: 3/10/2020* *Time: 15:33* *By: DP*

Photo 22 View along north side of log pond from concrete footing pad that would have been north of NW corner of mill

Direction: NW *Date: 3/10/2020* *Time: 15:33* *By: DP*

Photo 23 View from gravel drive along north margin of log pond

Direction: NW *Date: 3/10/2020* *Time: 15:39* *By: DP*

Photo 24 Gravel bar with sand deposits on Elk River, upriver from Bagley Creek's discharge

Direction: South *Date: 3/10/2020* *Time: 15:15* *By: DP*

Photo 25 Seep (unmowed grass) within Tax Lot 902

Direction: North *Date: 3/10/2020* *Time: 15:42* *By: DP*

Photo 26 Cistern/well in tree line on Tax Lot 902

Direction: North *Date: 3/10/2020* *Time: 15:42* *By: DP*

Photo 27 Sheet metal pipe segment in brush on Tax Lot 902

Direction: Down *Date: 3/10/2020* *Time: 15:55* *By: DP*

Photo 28 Hummocky terrain in cleared area of Tax Lot 902, north of houses

Direction: N-NE *Date: 3/10/2020* *Time: 16:15* *By: DP*

Photo 29 View of area where buried tank and conduit were noted in ravine. As seen from grass area on Tax Lot 902

Direction: East *Date: 3/10/2020* *Time: 16:13* *By: DP*

Photo 30 Partially buried water/pressure tank in ravine on east side of Tax Lot 902

Direction: Down *Date: 3/10/2020* *Time: 16:04* *By: DP*

Photo 31 Metal conduit buried in hillside in ravine on east side of Tax Lot 902

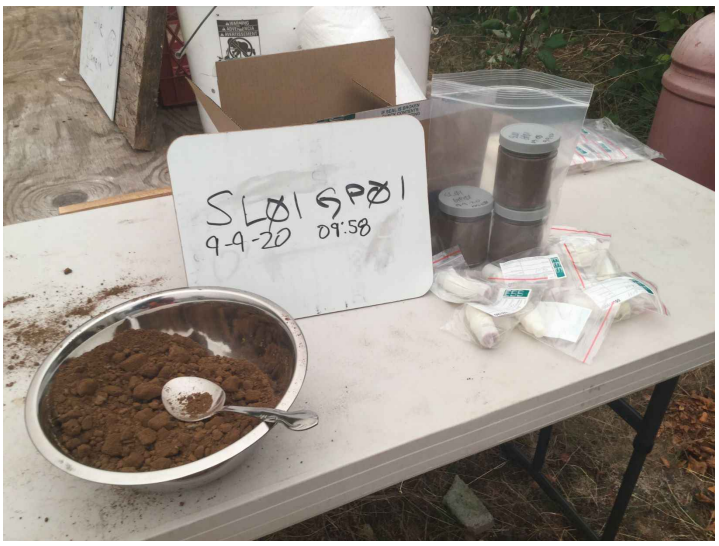
Direction: Down *Date: 3/10/2020* *Time: 16:06* *By: DP*

Sample No.: 20375600 *Location:* SL01GP01
***Photo:* 1**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

Sample No.: 20375600 *Location:* SL01GP01
***Photo:* 2**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*



Sample No.: 20375600 *Location:* SL01GP01
***Photo:* 3**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

Sample No.: 20375677 *Location:* SL01GW
***Photo:* 4**

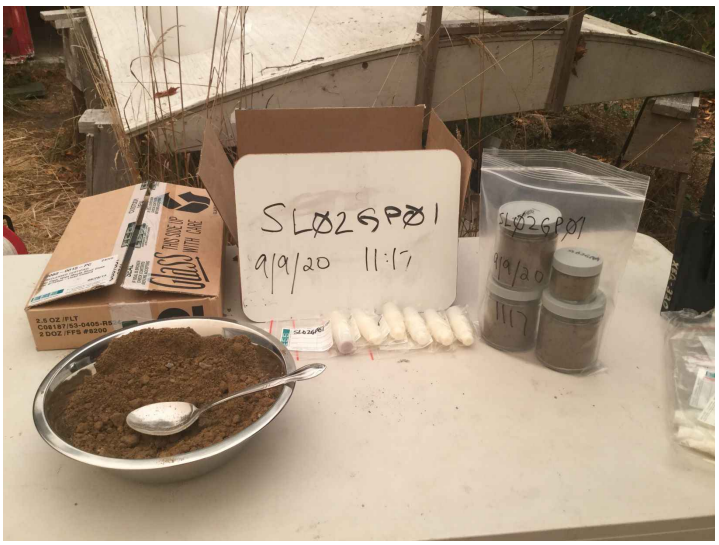
Direction:S *Date:9/9/2020* *By: B. Ciecko*

Sample No.: 20375602 *Location:* SL02GP01
***Photo:* 5**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375602 *Location:* SL02GP01
***Photo:* 6**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*



Sample No.: 20375602 *Location:* SL02GP01
***Photo:* 7**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375604 *Location:* SL03TP01
***Photo:* 8**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375604 *Location:* SL03TP01
Photo: **9**

Direction: Down *Date:* 9/9/2020 *By:* J. Leeson

Sample No.: 20375605 *Location:* SL03TP02
Photo: **10**

Direction: Down *Date:* 9/9/2020 *By:* S. Wing

Sample No.: 20375605 *Location:* SL03TP02
Photo: **11**

Direction: Down *Date:* 9/9/2020 *By:* S. Wing

Sample No.: 20375605 *Location:* SL03TP02
Photo: **12**

Direction: Down *Date:* 9/9/2020 *By:* S. Wing

Sample No.: 20375606 *Location:* SL04TP01
***Photo:* 13**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375606 *Location:* SL04TP01
***Photo:* 14**

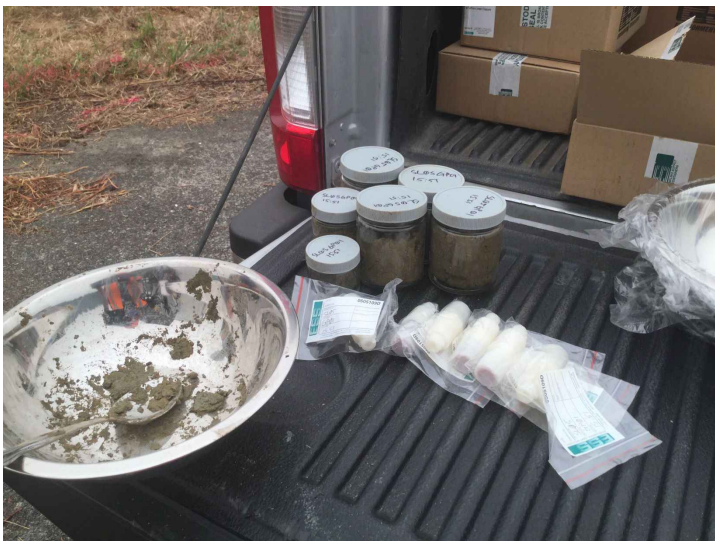
Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375606 *Location:* SL04TP01
***Photo:* 15**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375608 *Location:* SL05GP01
***Photo:* 16**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

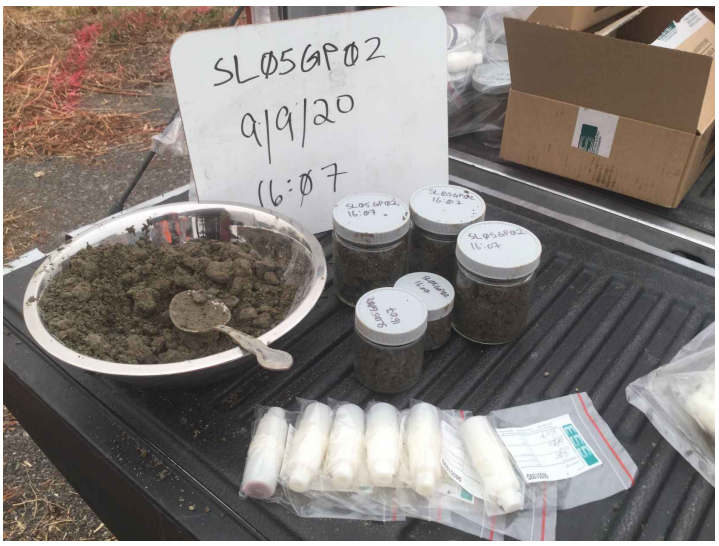


Sample No.: 20375608 *Location:* SL05GP01
***Photo:* 17**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

Sample No.: 20375609 *Location:* SL05GP02
***Photo:* 18**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

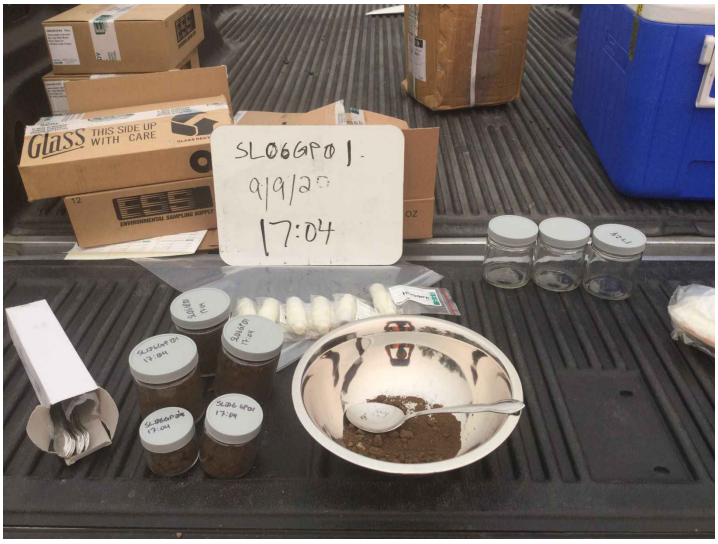


Sample No.: 20375609 *Location:* SL05GP02
***Photo:* 19**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

Sample No.: 20375610 *Location:* SL06GP01
***Photo:* 20**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

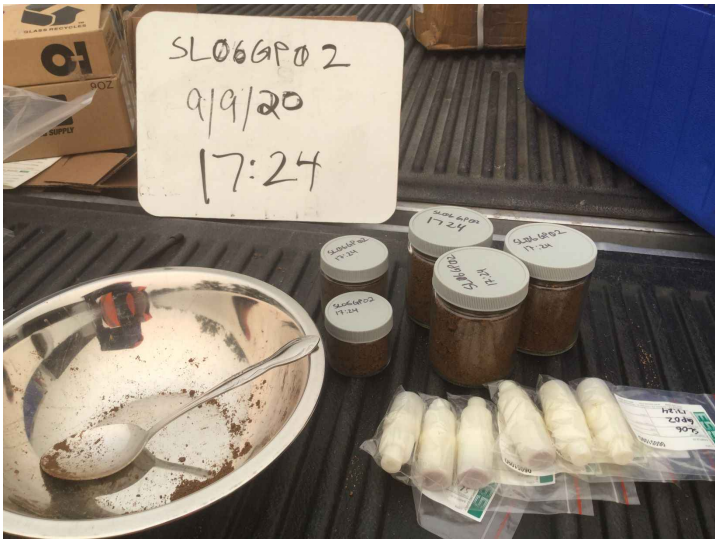


Sample No.: 20375610 *Location:* SL06GP01
***Photo:* 21**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375611 *Location:* SL06GP02
***Photo:* 22**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*



Sample No.: 20375611 *Location:* SL06GP02
***Photo:* 23**

Direction:Down *Date:9/9/2020* *By: B. Ciecko*

Sample No.: 20375612 *Location:* SL07GP01
***Photo:* 24**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375612 *Location:* SL07GP01
***Photo:* 25**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375613 *Location:* SL07GP02
***Photo:* 26**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375613 *Location:* SL07GP02
***Photo:* 27**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375614 *Location:* SL08TP01
***Photo:* 28**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375614 *Location:* SL08TP01
Photo: **29**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375614 *Location:* SL08TP01
Photo: **30**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375615 *Location:* SL08TP02
Photo: **31**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375615 *Location:* SL08TP02
Photo: **32**

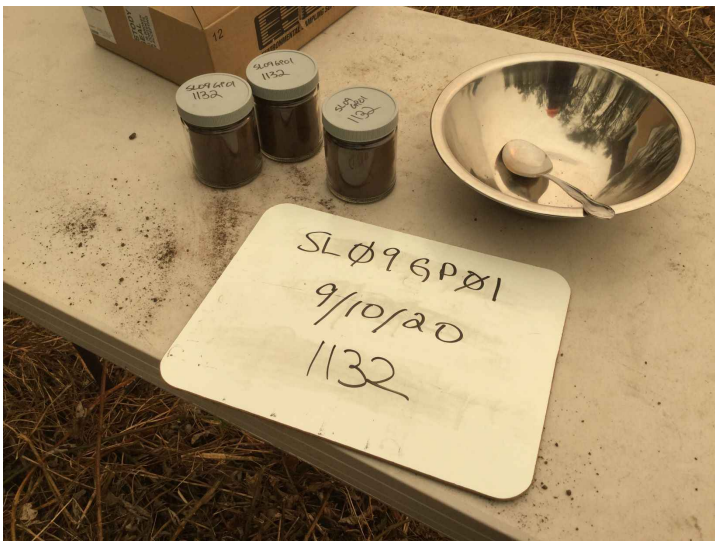
Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375615 *Location:* SL08TP02
Photo: **33**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375616 *Location:* SL09GP01
Photo: **34**

Direction:Down *Date:9/10/2020* *By: B. Ciecko*



Sample No.: 20375616 *Location:* SL09GP01
Photo: **35**

Direction:Down *Date:9/10/2020* *By: B. Ciecko*

Sample No.: 20375618 *Location:* SL10GP01
Photo: **36**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375618 *Location:* SL10GP01
***Photo:* 37**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375620 *Location:* SL11TP01
***Photo:* 38**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375620 *Location:* SL11TP01
***Photo:* 39**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375620 *Location:* SL11TP01
***Photo:* 40**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375621 *Location:* SL11TP02
***Photo:* 41**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375621 *Location:* SL11TP02
***Photo:* 42**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375621 *Location:* SL11TP02
***Photo:* 43**

Direction:E *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375621 *Location:* SL11TP02
***Photo:* 44**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375693 *Location:* TP11GW
***Photo:* 45**

Direction:W *Date:9/13/2020* *By: B. Ciecko*

Sample No.: 20375693 *Location:* TP11GW
***Photo:* 46**

Direction:W *Date:9/13/2020* *By: B. Ciecko*

Sample No.: 20375622 *Location:* SL12TP01
***Photo:* 47**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375622 *Location:* SL12TP01
***Photo:* 48**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375622 *Location:* SL12TP01
Photo: **49**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375622 *Location:* SL12TP01
Photo: **50**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375623 *Location:* SL12TP02
Photo: **51**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375623 *Location:* SL12TP02
Photo: **52**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375623 *Location:* SL12TP02
***Photo:* 53**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375623 *Location:* SL12TP02
***Photo:* 54**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375623 *Location:* SL12TP02
***Photo:* 55**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375624 *Location:* SL13TP01
***Photo:* 56**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375624 *Location:* SL13TP01
***Photo:* 57**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375624 *Location:* SL13TP01
***Photo:* 58**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375625 *Location:* SL13TP02
***Photo:* 59**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375625 *Location:* SL13TP02
***Photo:* 60**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375625 *Location:* SL13TP02
Photo: **61**

Direction:Down *Date:9/11/2020* *By:* *S. Wing*

Sample No.: 20375625 *Location:* SL13TP02
Photo: **62**

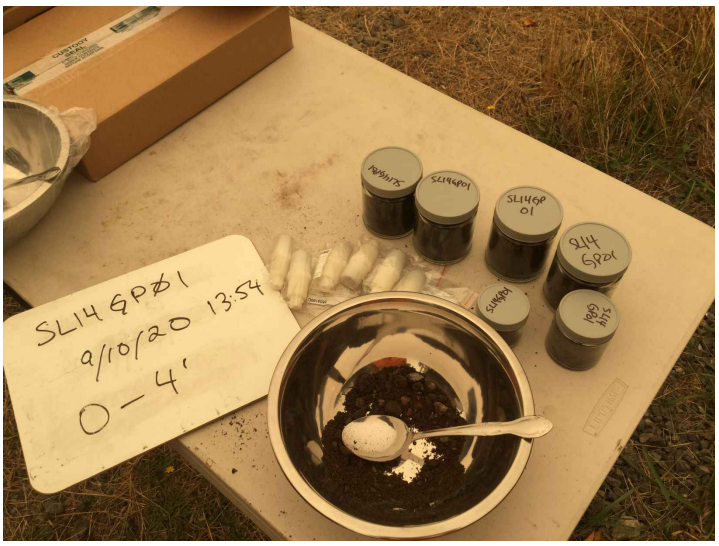
Direction:Down *Date:9/11/2020* *By:* *S. Wing*

Sample No.: 20385697 *Location:* TP13GW
Photo: **63**

Direction:NE *Date:9/14/2020* *By:* *B. Ciecko*

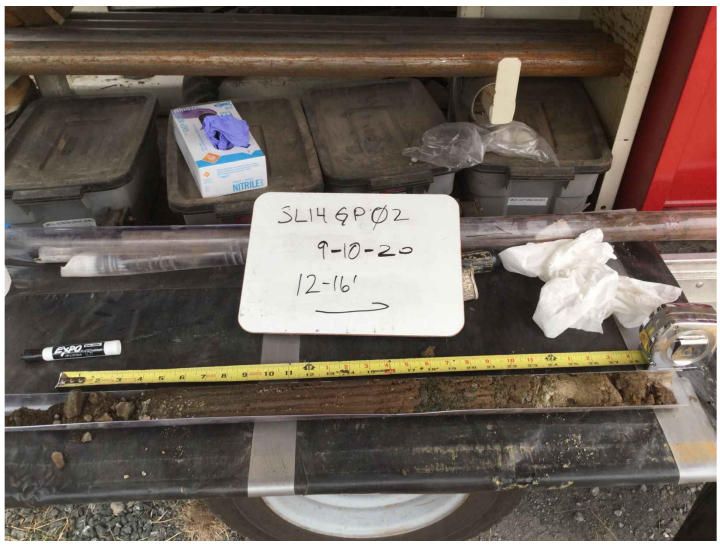
Sample No.: 20375626 *Location:* SL14GP01
Photo: **64**

Direction:Down *Date:9/10/2020* *By:* *M. Talaia-Murray*



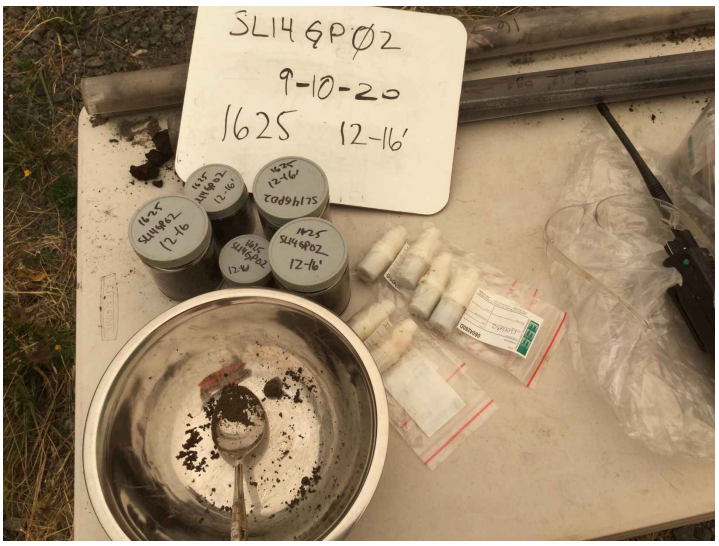
Sample No.: 20375626 *Location:* SL14GP01
Photo: **65**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*



Sample No.: 20375627 *Location:* SL14GP02
Photo: **66**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*



Sample No.: 20375627 *Location:* SL14GP02
Photo: **67**

Direction:Down *Date:9/10/2020* *By: M. Talaia-Murray*

Sample No.: 20375628 *Location:* SL15GP01
Photo: **68**

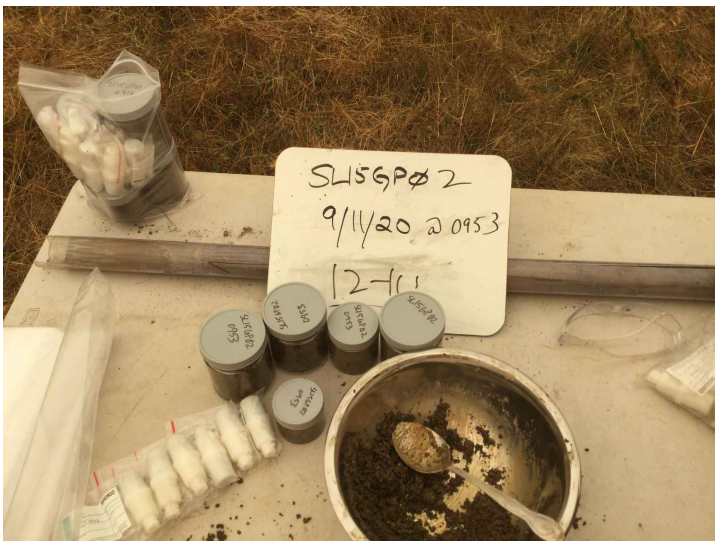
Direction:Down *Date:9/11/2020* *By: B. Ciecko*

Sample No.: 20375628 *Location:* SL15GP01
Photo: **69**

Direction:Down *Date:9/11/2020* *By: B. Ciecko*

Sample No.: 20375629 *Location:* SL15GP02
Photo: **70**

Direction:Down *Date:9/11/2020* *By: M. Talaia-Murray*



Sample No.: 20375629 *Location:* SL15GP02
Photo: **71**

Direction:Down *Date:9/11/2020* *By: M. Talaia-Murray*

Sample No.: 20375630 *Location:* SL16TP01
Photo: **72**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375630 *Location:* SL16TP01
***Photo:* 73**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375630 *Location:* SL16TP01
***Photo:* 74**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375631 *Location:* SL16TP02
***Photo:* 75**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375631 *Location:* SL16TP02
***Photo:* 76**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375631 *Location:* SL16TP02
***Photo:* 77**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375663 *Location:* SL16TP03
***Photo:* 78**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375663 *Location:* SL16TP03
***Photo:* 79**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375663 *Location:* SL16TP03
***Photo:* 80**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375664 *Location:* SL16TP04
***Photo:* 81**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375664 *Location:* SL16TP04
***Photo:* 82**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375664 *Location:* SL16TP04
***Photo:* 83**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375664 *Location:* SL16TP04
***Photo:* 84**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375664 *Location:* SL16TP04
***Photo:* 85**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 1 *Location:* Exploratory test
***Photo:* 86**

Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 1 *Location:* Exploratory test
***Photo:* 88**

Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 2 *Location:* Exploratory test
***Photo:* 89**

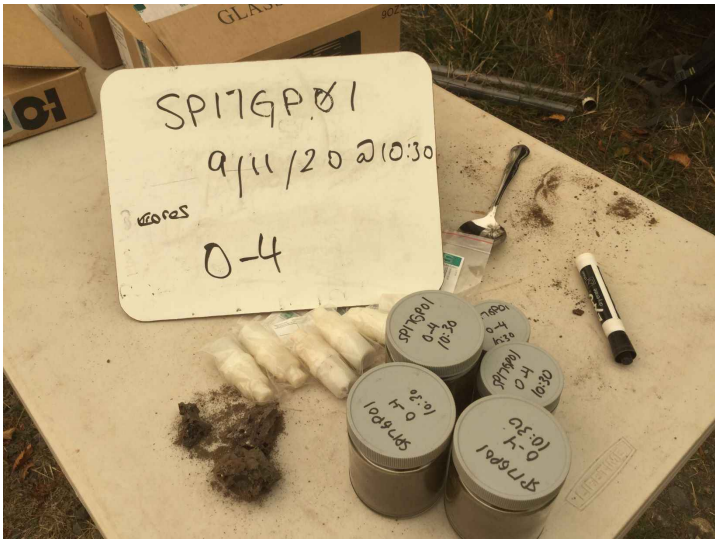
Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 2 *Location:* Exploratory test
Photo: **90**

Direction:Down *Date:9/10/2020* *By:* *S. Wing*

Sample No.: 20375632 *Location:* SL17GP01
Photo: **91**

Direction:Down *Date:9/11/2020* *By:* *M. Talaia-Murray*



Sample No.: 20375632 *Location:* SL17GP01
Photo: **92**

Direction:Down *Date:9/11/2020* *By:* *M. Talaia-Murray*

Sample No.: 20375632 *Location:* SL17GP01
Photo: **93**

Direction:Down *Date:9/11/2020* *By:* *M. Talaia-Murray*

Sample No.: 20375633 *Location:* SL17GP02
Photo: **94**

Direction:Down *Date:9/11/2020* *By: B. Ciecko*

Sample No.: 20375633 *Location:* SL17GP02
Photo: **95**

Direction:Down *Date:9/11/2020* *By: B. Ciecko*

Sample No.: 20375634 *Location:* SL18GP01
Photo: **96**

Direction:Down *Date:9/12/2020* *By: B. Ciecko*

Sample No.: 20375635 *Location:* SL18GP02
Photo: **97**

Direction:Down *Date:9/12/2020* *By: B. Ciecko*

Sample No.: 20375635 *Location:* SL18GP02
Photo: **98**

Direction:Down *Date:9/12/2020* *By: B. Ciecko*

Sample No.: 20375636 *Location:* SL19TP01
Photo: **99**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375636 *Location:* SL19TP01
Photo: **100**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375637 *Location:* SL19TP02
Photo: **101**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375637 *Location:* SL19TP02
***Photo:* 102**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375637 *Location:* SL19TP02
***Photo:* 103**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375637 *Location:* SL19TP02
***Photo:* 104**

Direction:Down *Date:9/9/2020* *By: J. Leeson*

Sample No.: 20375640 *Location:* SL21GP01
***Photo:* 105**

Direction:Down *Date:9/12/2020* *By: M. Talaia-Murray*

Sample No.: 20375640 *Location:* SL21GP01
Photo: **106**

Direction:Down *Date:9/12/2020* *By: M. Talaia-Murray*

Sample No.: 20375642 *Location:* SL22GP01
Photo: **107**

Direction:Down *Date:9/12/2020* *By: M. Talaia-Murray*

Sample No.: 20375642 *Location:* SL22GP01
Photo: **108**

Direction:Down *Date:9/12/2020* *By: M. Talaia-Murray*

Sample No.: 20375644 *Location:* SL23TP01
Photo: **109**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375644 *Location:* SL23TP01
Photo: **110**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375644 *Location:* SL23TP01
Photo: **111**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375645 *Location:* SL23TP02
Photo: **112**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375645 *Location:* SL23TP02
Photo: **113**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375645 *Location:* SL23TP02
***Photo:* 114**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20385715 *Location:* TP23GW
***Photo:* 115**

Direction:SW *Date:9/14/2020* *By: B. Ciecko*

Sample No.: 20375646 *Location:* SL24TP01
***Photo:* 116**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375646 *Location:* SL24TP01
***Photo:* 117**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375646 *Location:* SL24TP01
***Photo:* 118**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375647 *Location:* SL24TP02
***Photo:* 119**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375647 *Location:* SL24TP02
***Photo:* 120**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375647 *Location:* SL24TP02
***Photo:* 121**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375647 *Location:* SL24TP02
***Photo:* 122**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375648 *Location:* SL25TP01
***Photo:* 123**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375648 *Location:* SL25TP01
***Photo:* 124**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375648 *Location:* SL25TP01
***Photo:* 125**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375649 *Location:* SL25TP02
***Photo:* 126**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375649 *Location:* SL25TP02
***Photo:* 127**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375649 *Location:* SL25TP02
***Photo:* 128**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375649 *Location:* SL25TP02
***Photo:* 129**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375717 *Location:* TP25GW
***Photo:* 130**

Direction:N *Date:9/14/2020* *By: B. Ciecko*

Sample No.: 20375650 *Location:* SL26TP01
***Photo:* 131**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375650 *Location:* SL26TP01
***Photo:* 132**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375650 *Location:* SL26TP01
***Photo:* 133**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375651 *Location:* SL26TP02
***Photo:* 134**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375651 *Location:* SL26TP02
***Photo:* 135**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375651 *Location:* SL26TP02
***Photo:* 136**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375651 *Location:* SL26TP02
***Photo:* 137**

Direction:Down *Date:9/10/2020* *By: J. Leeson*

Sample No.: 20375652 *Location:* SL27TP01
***Photo:* 138**

Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 20375652 *Location:* SL27TP01
***Photo:* 139**

Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 20375652 *Location:* SL27TP01
***Photo:* 140**

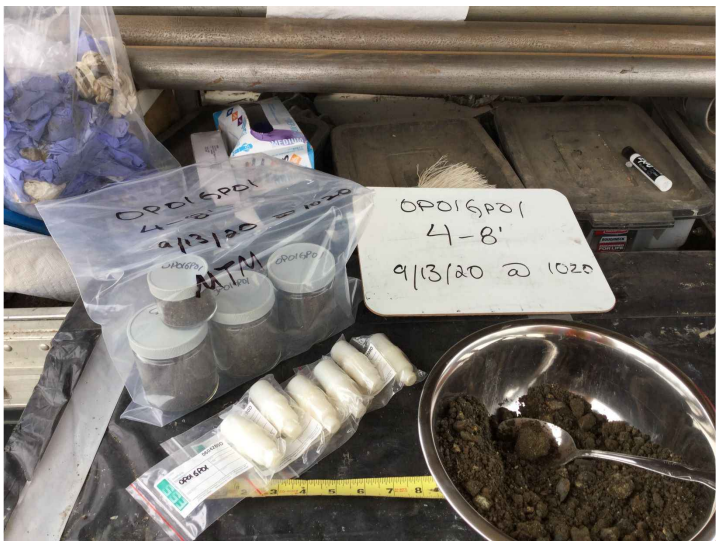
Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 20375652 *Location:* SL27TP01
***Photo:* 141**

Direction:Down *Date:9/10/2020* *By: S. Wing*

Sample No.: 20385601 *Location:* OP01GP01
***Photo:* 142**

Direction:Down *Date:9/13/2020* *By: M. Talaia-Murray*



Sample No.: 20385601 *Location:* OP01GP01
***Photo:* 143**

Direction:Down *Date:9/13/2020* *By: M. Talaia-Murray*

Sample No.: 20375665 *Location:* OP01TP01
***Photo:* 144**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375665 *Location:* OP01TP01
***Photo:* 145**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375665 *Location:* OP01TP01
***Photo:* 146**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375665 *Location:* OP01TP01
***Photo:* 147**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375666 *Location:* OP01TP02
***Photo:* 148**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375666 *Location:* OP01TP02
***Photo:* 149**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375666 *Location:* OP01TP02
***Photo:* 150**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375666 *Location:* OP01TP02
***Photo:* 151**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375666 *Location:* OP01TP02
***Photo:* 152**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375617 *Location:* OP01TP03
***Photo:* 153**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375617 *Location:* OP01TP03
***Photo:* 154**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375617 *Location:* OP01TP03
***Photo:* 155**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375619 *Location:* OP02TP01
***Photo:* 156**

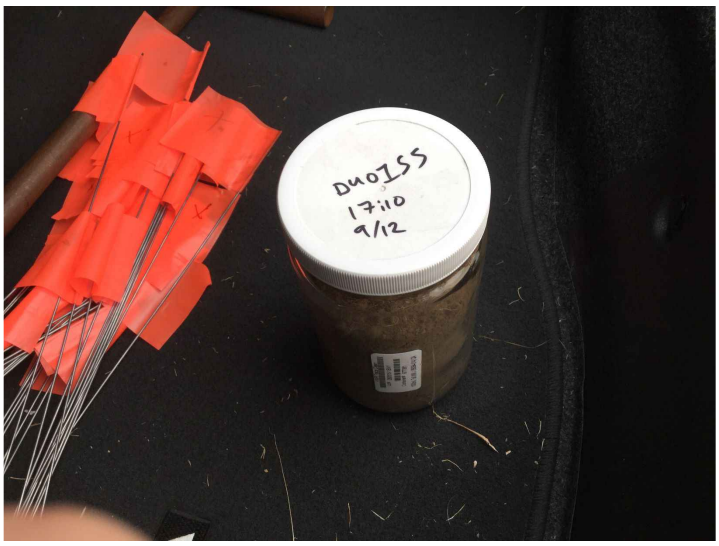
Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375619 *Location:* OP02TP01
***Photo:* 157**

Direction:Down *Date:9/11/2020* *By: S. Wing*

Sample No.: 20375619 *Location:* OP02TP01
Photo: **158**

Direction: Down *Date:* 9/11/2020 *By:* S. Wing



Sample No.: 20375667 *Location:* DU01SS
Photo: **159**

Direction: Down *Date:* 9/12/2020 *By:* J. Leeson

Sample No.: 20385668 *Location:* DU02SS
Photo: **160**

Direction: N *Date:* 9/13/2020 *By:* J. Leeson

Sample No.: 20385669 *Location:* DU03SS
Photo: **161**

Direction: N *Date:* 9/13/2020 *By:* J. Leeson

Sample No.: 20385669 *Location:* DU03SS
Photo: **162**

Direction:Down *Date:9/13/2020* *By: J. Leeson*

Sample No.: 20385670 *Location:* DU04SS
Photo: **163**

Direction:N *Date:9/13/2020* *By: J. Leeson*

Sample No.: 20385671 *Location:* DU05SS
Photo: **164**

Direction:N *Date:9/13/2020* *By: J. Leeson*

Sample No.: 20385672 *Location:* DU06SS
Photo: **165**

Direction:Down *Date:9/13/2020* *By: J. Leeson*

Sample No.: 20375673 *Location:* DU07SS
Photo: **166**

Direction:NW *Date:9/13/2020* *By: J. Leeson*

Sample No.: 20375673 *Location:* DU07SS
Photo: **167**

Direction:Down *Date:9/13/2020* *By: J. Leeson*

Sample No.: 20375674 *Location:* DU08SS
Photo: **168**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375654 *Location:* PD01SD
Photo: **169**

Direction:NW *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375654 *Location:* PD01SD
***Photo:* 170**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375719 *Location:* PD01SW
***Photo:* 171**

Direction:S *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375719 *Location:* PD01SW
***Photo:* 172**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375720 *Location:* PD01SW-D
***Photo:* 173**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375720 *Location:* PD01SW-D
***Photo:* 174**

Direction:Down *Date:9/11/2020* *By: J. Leeson*

Sample No.: 20375655 *Location:* PD02SD
***Photo:* 175**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375655 *Location:* PD02SD
***Photo:* 176**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375656 *Location:* PD03SD
***Photo:* 177**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375656 *Location:* PD03SD
Photo: **178**

Direction:Down *Date:9/9/2020* *By: M. Talaia-Murray*

Sample No.: 20375657 *Location:* PD04SD
Photo: **179**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375657 *Location:* PD04SD
Photo: **180**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375658 *Location:* PD05SD
Photo: **181**

Direction:Down *Date:9/12/2020* *By: S. Wing*

Sample No.: 20375658 *Location:* PD05SD
Photo: **182**

Direction:Down *Date:9/12/2020* *By:* *S. Wing*

Sample No.: 20375721 *Location:* PD05SW
Photo: **184**

Direction:Down *Date:9/12/2020* *By:* *J. Leeson*

Sample No.: 20375721 *Location:* PD05SW
Photo: **185**

Direction:Down *Date:9/12/2020* *By:* *J. Leeson*

Sample No.: 20375722 *Location:* PD05SW-D
Photo: **185**

Direction:Down *Date:9/12/2020* *By:* *J. Leeson*

Sample No.: 20375722 *Location:* PD05SW-D
***Photo:* 186**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375659 *Location:* PD06SD
***Photo:* 187**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375659 *Location:* PD06SD
***Photo:* 188**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375723 *Location:* PD06SW
***Photo:* 189**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375723 *Location:* PD06SW
Photo: **190**

Direction:NE *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375724 *Location:* PD06SW-D
Photo: **191**

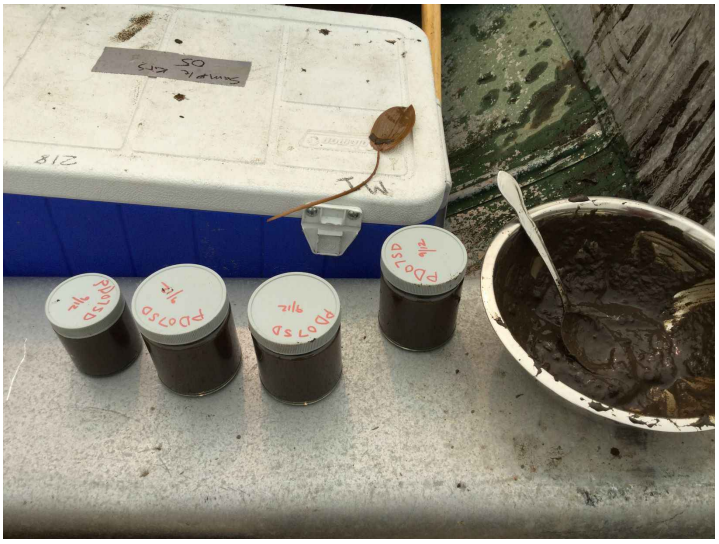
Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375724 *Location:* PD06SW-D
Photo: **192**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375660 *Location:* PD07SD
Photo: **193**

Direction:Down *Date:9/12/2020* *By: J. Leeson*



Sample No.: 20375660 *Location:* PD07SD
Photo: **194**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375661 *Location:* PD08SD
Photo: **195**

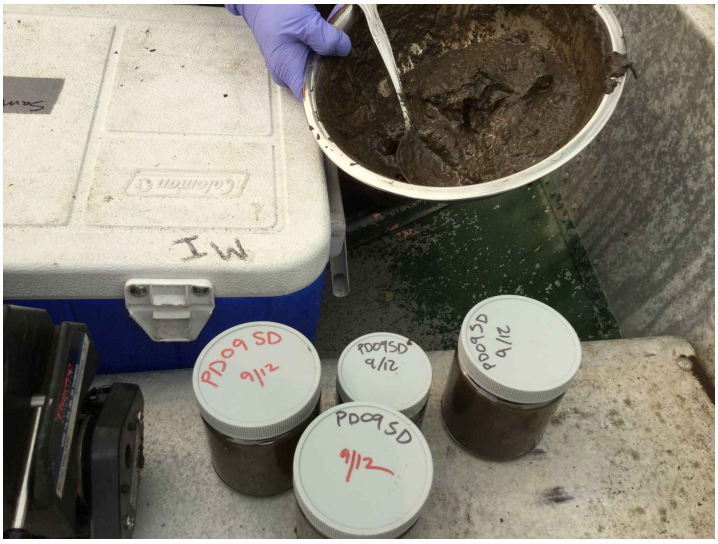
Direction:S *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375661 *Location:* PD08SD
Photo: **196**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375662 *Location:* PD09SD
Photo: **197**

Direction:Down *Date:9/12/2020* *By: J. Leeson*



Sample No.: 20375662 *Location:* PD09SD
Photo: **198**

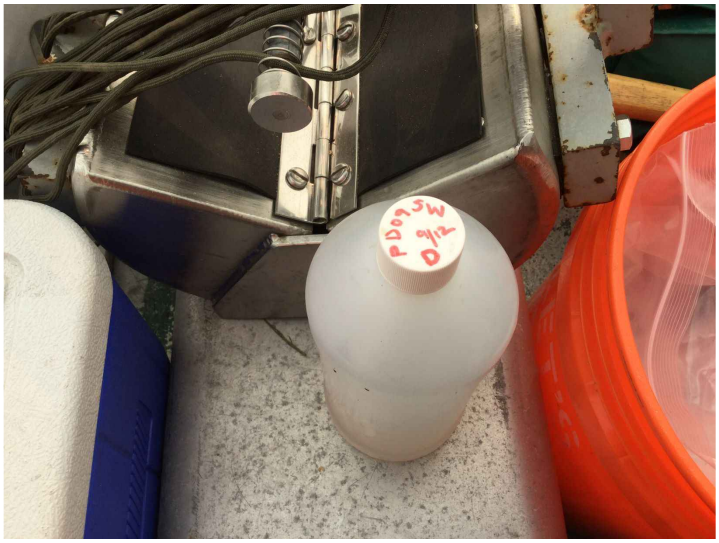
Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375725 *Location:* PD09SW
Photo: **199**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375725 *Location:* PD09SW
Photo: **200**

Direction:W *Date:9/12/2020* *By: J. Leeson*



Sample No.: 20375726 *Location:* PD09SW-D
Photo: **201**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

Sample No.: 20375726 *Location:* PD09SW-D
***Photo:* 202**

Direction:Down *Date:9/12/2020* *By: J. Leeson*

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C Sample Plan Alteration Forms

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SAMPLE PLAN ALTERATION FORM

Project Name and Number: Former Western States Plywood Cooperative Mill, TO-0380-013

Materials to be Sampled:

Surface Sediment from the Former Fire Suppression Ponds.

Measurement Parameters:

Field sampling for offsite fixed laboratory analysis for semivolatile organic compounds hydrocarbons (SVOCs including pentachlorophenol [PCP] and polycyclic aromatic hydrocarbons [PAH]), target analyte list (TAL) metals, dioxins/furans, and total organic carbon (TOC).

Standard Procedure for Field Collection and Laboratory Analysis (cite references):

- Aquatic Sediment Sampling (E & E SOP – Env 3.8)
- SVOCs (including PCP and PAHs) in sediment analysis (EPA CLP SOW SOM02.4)
- TAL metals including mercury in sediment analysis (EPA CLP SOW ISM02.4)
- Dioxins/Furans in sediment analysis (EPA CLP SOW HRSM01.2)
- Total Organic Carbon in sediment analysis (EPA SW-846 Method 9060)

Reason for Change in Field Procedure or Analytical Variation:

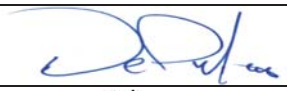
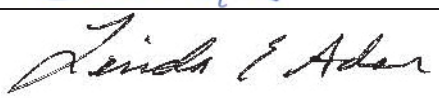
The sampling and quality assurance plan (SQAP) specified that the five sediment samples from the Former Fire Suppression Pond would be collected from 0 to 10 centimeters (cm) (0 to 6 inches) below the mudline. Samples were to be collected with a non-dedicated Van Veen grab sampler. However, due to the presence of significant vegetation on the bottom of the pond the Van Veen sampler was ineffective at retrieving sample material. As such, these samples were collected using a bucket hand auger, and may have retrieved sample material from up to an estimated 12-inches below the mudline. These samples were all analyzed for SVOCs (including PCP and PAHs), TAL metals, dioxins/furans, and TOC.

Variation from Field or Analytical Procedure:

The five samples from the Former Fire Suppression Pond were collected using different equipment than proposed in the SQAP (hand auger vs Van Veen Sampler), potentially incorporating sediment from more than 6-inches beneath the mudline.

Special Equipment, Materials, or Personnel Required:

Bucket Hand Auger

CONTACT	APPROVED SIGNATURE	DATE
Initiator: Derek Pulvino		12/30/2020
START SA TL: Linda Ader		12/30/2020
EPA TM: Brandon Perkins	BRANDON PERKINS Digitally signed by BRANDON PERKINS Date: 2020.12.30 10:49:07 -08'00'	
EPA QA Manager: Donald M. Brown	DONALD MATHENY Digitally signed by DONALD MATHENY Date: 2020.12.30 11:36:24 -08'00'	

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D Borehole Reports

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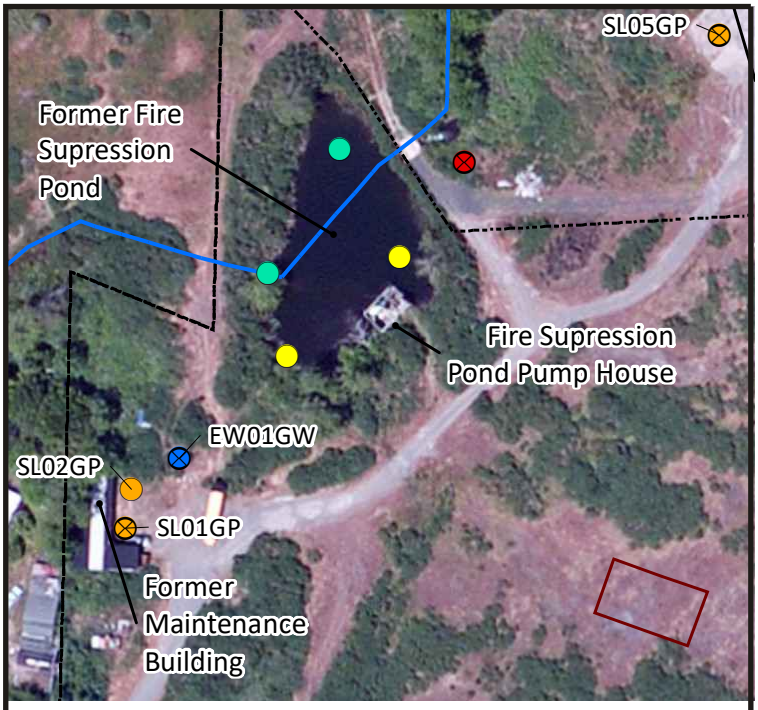
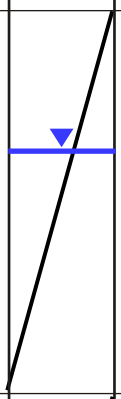
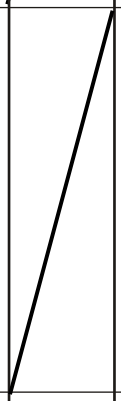
Drilling Log for SL01GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/9/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 13.5 feet bgs
Total Depth of Borehole: 20 feet bgs
Temporary Well Screen Interval: 15 to 19 feet bgs



GPS Coordinates: 42.76857282, -124.4639176.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1	SL01GP01 (0-4' bgs)	09:58	90%	0		0.0-0.8 - Silty SAND (SM): Dark reddish brown. Sand: fine, subrounded to angular; Silt: low plasticity; Gravel: trace, angular, 0.5-1". Some pieces of brick. Loose. Dry.
2						0.8-3.6 - Silty SAND (SM): Light reddish brown. Sand: fine to medium, subrounded to angular; Silt: low plasticity; Gravel: trace, angular, 0.5-1". Loose. Damp. Oxidation present in root cavities.
3						
4						3.6-4.0 - No recovery
5						Not logged.
6						
7						
8						Not logged.
9						
10						
11						
12						

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged.
14						
15						
16						
17						Not logged.
18						
19						*Note: Soil core extraction extended to 4 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 20 feet bgs to maximize well productivity.*
20						
21						
22						
23						
24						
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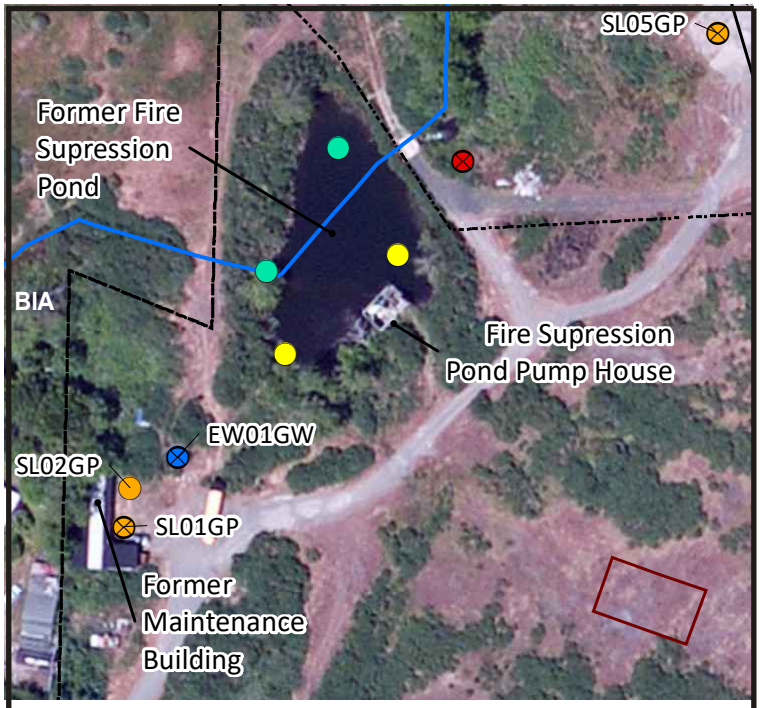
31						Total depth = 20 ft Borehole backfilled with bentonite grout to 2 feet bgs and 3/8-inch bentonite chips to surface.
32						

Drilling Log for SL02GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/9/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: NA
Total Depth of Borehole: 4 feet bgs
Temporary Well Screen Interval: NA



GPS Coordinates: 42.7686416, -124.4639042.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1	SL02GP01 (0-4' bgs)	11:17	100%	0		0.0-1.0 - GRAVEL with with sand and silt (GW): Dark grayish brown. Gravel: well-graded, rounded to subangular, 0.25-1"; Sand: fine, subrounded to angular; Silt: low plasticity. Loose with rootlets. Dry.
2						1.0-4.0 - Silty SAND (SM): Dark reddish brown. Sand: fine to medium subrounded to angular; Silt: low plasticity; Gravel: trace, angular, 0.5-1". Oxidation present in root cavities. Loose. Damp
3						
4						
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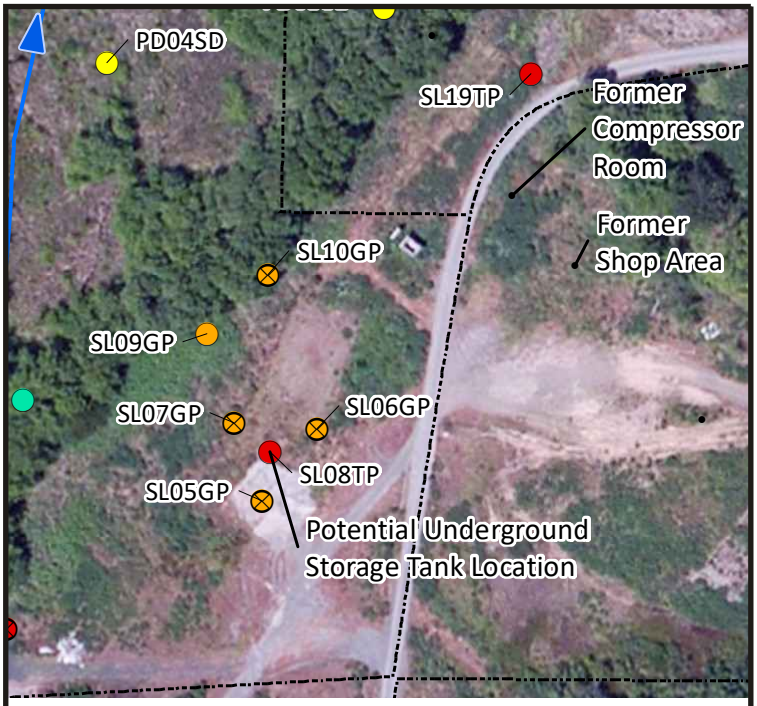
11						Total depth = 4 ft Borehole backfilled with 3/8-inch bentonite chips to surface.
12						

Drilling Log for SL05GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/9/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 10.5 bgs
Total Depth of Borehole: 16 feet bgs
Temporary Well Screen Interval: 12-16 feet bgs



GPS Coordinates: 42.76947517, -124.4624937.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1	SL05GP01 (0-4' bgs)	15:51	81%	0		0.0-1.3 - Reinforced concrete.
2						1.3-1.9 - SILT (MH). Dark brown. Silt: Stiff, high plasticity. Trace fine sand and fine gravel. Contact with underlying interval is medium to coarse sand. Damp.
3						1.9-3.3 - CLAY (CH). Reddish yellow. High plasticity clay with oxidation in root masses, stiff. Damp.
4						3.3-4.0 - No recovery.
5	SL05GP02 (4-8' bgs)	16:07	90%	0		4.0-4.3 - CLAY (CH). Same as above.
6						4.3-4.8 - SAND with gravel (SW). Grayish brown. Sand: fine to coarse, subrounded to angular; Gravel: fine, subrounded to rounded. Loose. Damp.
7						4.8-7.3 - SAND (SW). Grayish brown. Sand: fine to coarse, coarsens downward, subrounded to angular. Moist. Medium Dense.
8						7.3-8.0 - No recovery.
9						Not logged.
10						
11						*Note: Soil core extraction extended to 8 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 16 feet bgs to maximize well productivity.*
12						

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged.
14						
15						
16						Total depth = 16 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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Drilling Log for SL06GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/9/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 10.5 bgs
Total Depth of Borehole: 16 feet bgs
Temporary Well Screen Interval: 12-16 feet bgs

GPS Coordinates: 42.76960432, -124.462363

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL06GP01 (0-4' bgs)	17:04	75%	0		0.0-2.0 - SAND with gravel (SW). Dark reddish brown. Sand: fine to coarse, subrounded to angular; Gravel: fine to coarse, rounded to angular. Trace cobbles and silt. Rootlets throughout. Recovered piece of canvas at 14". Loose. Dry. 2.0-3.0 - Silty SAND (SM). Reddish brown. Sand: Fine to coarse. Silt: Stiff. Trace fine gravel. Rootlets throughout and large pieces of coal in lower 3". Loose. Damp. 3.0-4.0 - No recovery.
4–8	SL06GP02 (4-8' bgs)	17:24	75%	0		4.0-4.5- SAND with gravel (SW). Dark grayish brown. Sand: fine to coarse, subrounded to angular; Gravel: fine to coarse, angular to rounded. Rootlets. Loose. Dry. 4.5-6.8 - SAND with silt (SW-SM). Reddish brown. Sand: fine to coarse, subrounded to angular; Gravel: fine to medium; angular to rounded. Lenses of sand with varying grainsize. Loose. Damp. 6.8-7.0 - CLAY (CH). High plasticity clay, oxidized rootlets. Moist. 7.0-8.0 - No recovery.
8–12						Not logged. *Note: Soil core extraction extended to 8 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 16 feet bgs to maximize well productivity.*

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged.
14						
15						
16						Total depth = 16 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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Drilling Log for SL07GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/10/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 11 feet bgs
Total Depth of Borehole: 16 feet bgs
Temporary Well Screen Interval: 12-16 feet bgs

GPS Coordinates: 42.76961378, -124.4625662

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL07GP01 (0-4' bgs)	08:42	50%	0		0.0-2.0 - SAND with silt and gravel (SW-SM). Dark brown. Sand: fine to coarse, angular to rounded; Gravel: fine to medium, angular to rounded; Silt: low plasticity. Rootlets and trace woodchips. Loose. Dry. 2.0-4.0 - No recovery.
5–8			0%			*Reinforced concrete encountered at 5' bgs. No recovery from 4-8 feet bgs.*
8–12	SL06GP02 (8-12' bgs)	10:24	75%	0		8.0-10.3 - SAND with silt and gravel (SW-SM). Dark grayish brown. Sand: fine to coarse; Gravel: fine to coarse, angular to subrounded; Silt: low plasticity. Dense. Moist. 10.3-10.9 - GRAVEL with silt and sand (GW-GM). Reddish gray. Sand: fine to medium; Gravel: fine to coarse, rounded. Silt: low plasticity. Trace cobbles (Fe-stained, weathered river cobbles). Dense. Wet. 10.9-12 - No recovery.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged. *Note: Soil core extraction extended to 12 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 16 feet bgs to maximize well productivity.* Total depth = 16 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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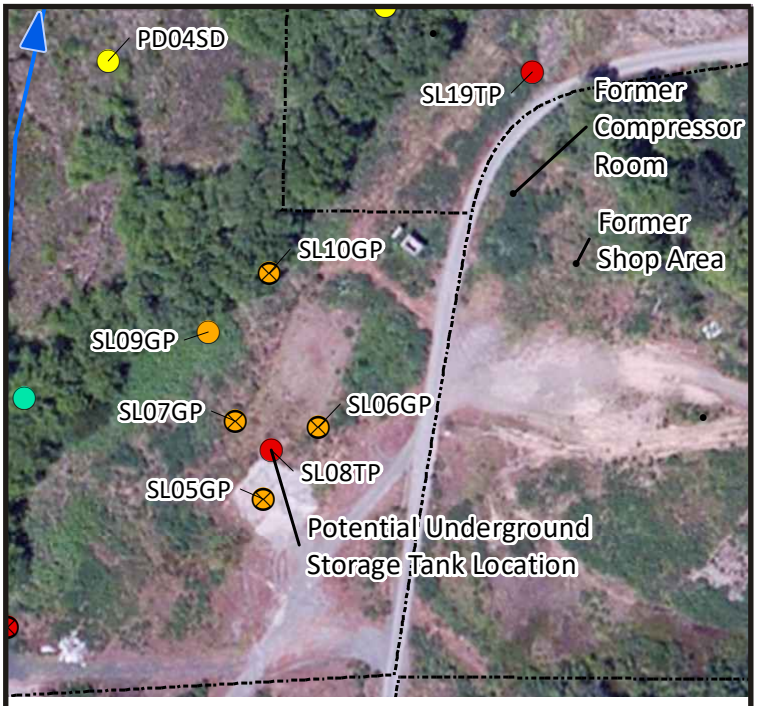
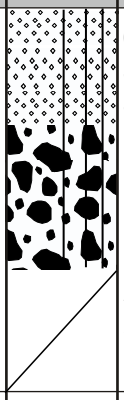
32						

Drilling Log for SL09GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/10/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: NA
Total Depth of Borehole: 4 feet bgs
Temporary Well Screen Interval: NA

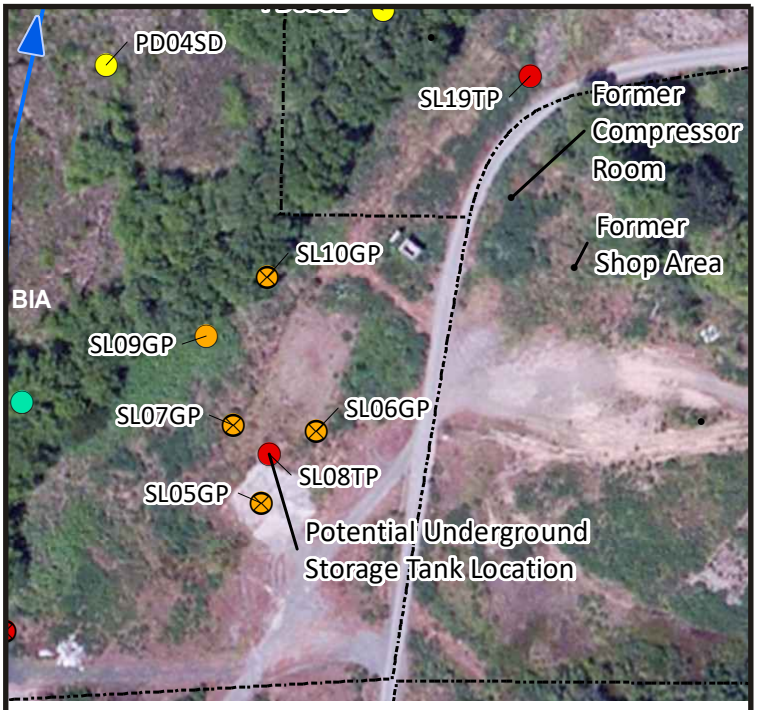


GPS Coordinates: 42.76977166, -124.4626354

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL09GP01 (0-4' bgs)	11:32	67%	0		0.0-1.5 - SAND with silt and gravel (SW-SM). Dark brown. Sand: fine to coarse; Gravel: fine to coarse, angular to subrounded; Silt: low plasticity. Rootlets. Loose. Dry. 1.5-2.7 - GRAVEL with sand and silt (GW-GM). Graysh brown. Gravel: fine to coarse, subangular to rounded; Sand: fine to coarse; Silt: low plasticity. Loose. Dry. 2.7-4 - No recovery. Total depth = 4 ft bgs Borehole backfilled with 3/8-inch bentonite chips to surface.
5–12						

Drilling Log for SL10GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/10/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 9 feet bgs
Total Depth of Borehole: 12 feet bgs
Temporary Well Screen Interval: 8-12 feet bgs

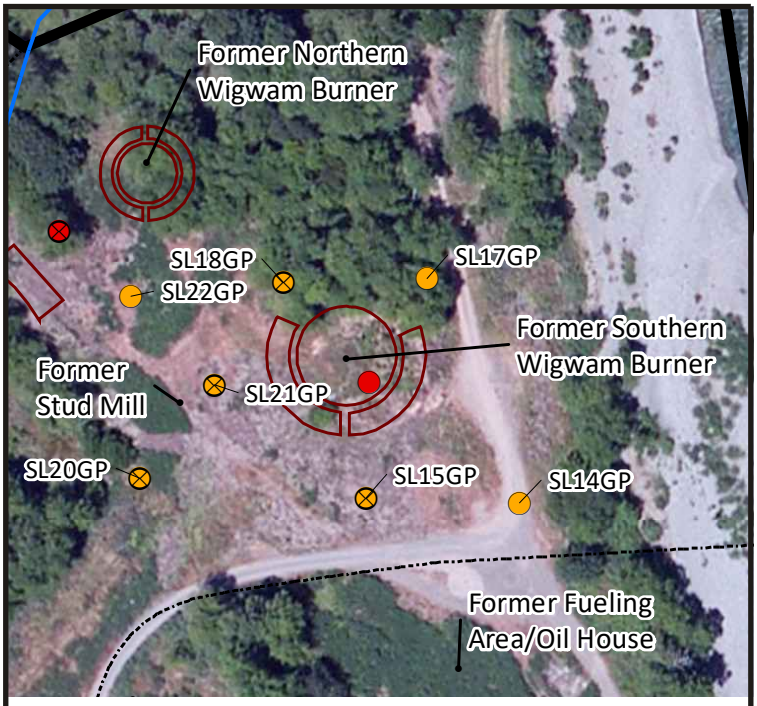


GPS Coordinates: 42.76987916, -124.4624888

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4				0		0.0-4.0 - Encountered reinforced concrete at 2 ft bgs, approximately 15 inches thick. No recovery from 0-4 ft bgs.
4–8	SL10GP01 (4-8' bgs)	12:39	75%	0		4.0-4.8 - SAND with silt and gravel (SW-SM). Grayish brown. Sand: fine to coarse; Gravel: fine, angular to subrounded. Rootlets. Moderate dense. Dry. 4.8-7.0 - SAND with gravel (SW). Dark reddish brown. Sand: fine to coarse; Gravel: fine, angular. Trace cobbles. Lense of soft wet clay from 76-78". Loose. Moist. 7.0-8.0 - No recovery.
8–12						*Note: Soil core extraction extended to 8 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 12 feet bgs to maximize well productivity.* Total depth = 8 ft bgs Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.

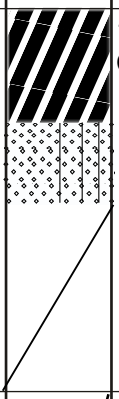
Drilling Log for SL14GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/10/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: No water encountered
Total Depth of Borehole: 24 feet bgs
Temporary Well Screen Interval: NA



GPS Coordinates: 42.77039567, -124.4609566

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL14GP01 (0-4' bgs)	13:54	75%	0		0.0-0.8 - SAND with silt and gravel (SW-SM). Grayish brown. Sand: fine to coarse; Gravel: fine to coarse, subangular to subrounded. Silt: low plasticity. Rootlets. Loose. Dry. 0.8-1.3 - SAND with silt and gravel (SW-SM). Dark reddish brown. Sand: fine to coarse; Gravel: fine, subangular to subrounded. Silt: low plasticity. Rootlets and brick fragments. Loose. Damp. 1.3-1.8 - Gravelly SILT (ML). Dark brown. Silt: Low plasticity; Gravel: fine, rounded to subrounded. Large wood fragments. Stiff. Moist.
4–8						*0-4 feet, continued:* 1.8-2.5 - Sandy GRAVEL (GW-GM). Dark grayish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse. Wood and sand-sized brick fragments. Medium dense. Moist. 2.5-3.0 - Woody debris with trace silt. Smelled of cedar. 3.0-4.0 - No recovery. (4.0-8.0) - Not logged.
8–12						Not logged.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12	SL14GP02 (12-16' bgs)	16:25	50%	0		12.0-13.1 - CLAY (CH). Dark brown. Moderately stiff. Moist. Coarsens downcore to SW-SM. 13.1-14 - SAND with silt and gravel (SW-SM). Dark grayish brown. Sand: fine to coarse; Gravel: fine to coarse, subrounded to angular. Silt: low plasticity. Trace cobbles and Fe-staining. Medium dense. Moist. 14-16 - No recovery.
13						
14						
15						
16						Not logged.
17						
18						
19						
20						Not logged.
21						
22						
23						Total depth = 24 ft Groundwater not encountered. Borehole backfilled with 3/8-inch bentonite chips to surface.
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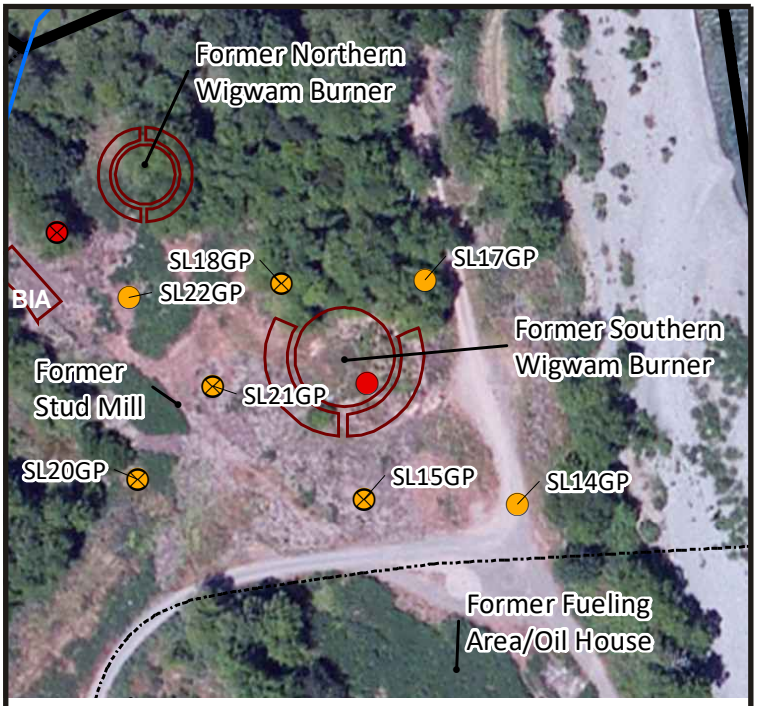
Drilling Log for SL15GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/11/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 15 feet bgs
Total Depth of Borehole: 19 feet bgs
Temporary Well Screen Interval: 15-19 feet bgs



GPS Coordinates: 42.77040041, -124.4613365

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL15GP01 (0-4' bgs)	09:16	92%	0		0-0.7 - SAND with silt and gravel (SW-SM). Grayish brown. Sand: fine to coarse; Gravel: fine to coarse, subangular to subrounded. Silt. Rootlets. Loose. Dry. 0.7-3.6 - SAND with silt (SP-SM). Light reddish brown. Sand: fine-grained. Horizon of charred material at 0.7-0.9' and charred wood throughout. Medium dense. Damp. 3.6-4.0 - No recovery.
4–8			92%	0		4.0-7.7 - SAND with silt (SP-SM). Light reddish brown.Sand: fine-grained. Lense of medium sand at 6.1-6.7". Dense. Damp. 7.7-8.0 - No recovery.
8–12			75%	0		8.0-9.2 - Same as above. 9.2-11 - Sandy GRAVEL with silt (GW-GM). Grayish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt; trace cobbles. Loose. Moist. 11-12 - No recovery.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13	SL16GP02 (12-16' bgs)	09:53	75%	0		12-13.6 - Sandy GRAVEL with silt (GW-GM). Dark reddish gray. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt; trace cobbles. Loose to med. dense. Wet.
14						13.6-15 - SAND (SW). Dark gray. Sand: medium to coarse sand; trace fine gravel and silt. Iron staining in lower interval. Medium dense. Saturated 14.8 - 15 ft.
15						15-16 - No recovery.
16						Not logged.
17						*Note: Soil core extraction extended to 16 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 19 feet bgs to maximize well productivity.*
18						
19						Total depth = 19 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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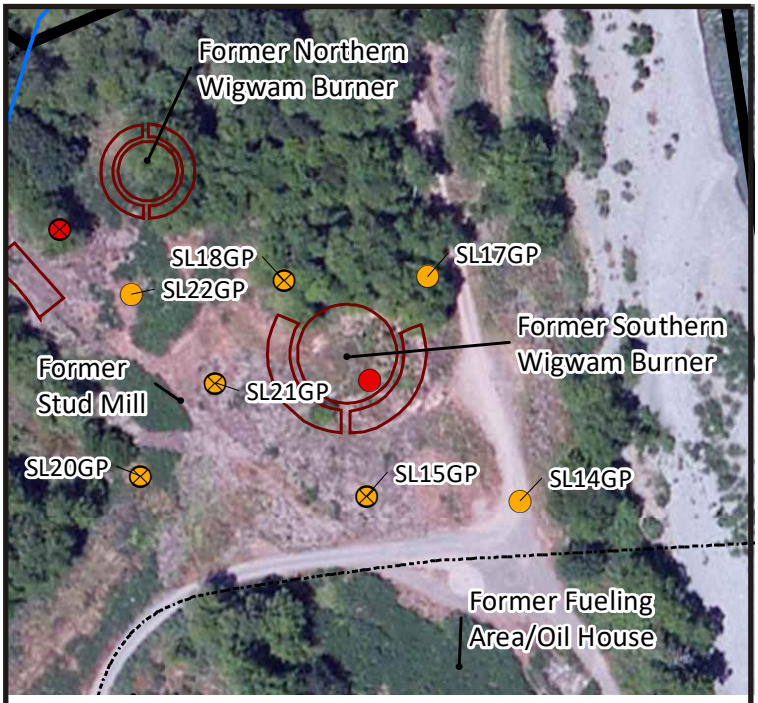
Drilling Log for SL17GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/11/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 23 feet bgs
Total Depth of Borehole: 27 feet bgs
Temporary Well Screen Interval: 23-27 feet bgs



GPS Coordinates: 42.77080021,-124.4611956

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL17GP01 (0-4' bgs)	10:30	75%	0		0.0-2.4 - GRAVEL with silt and sand (GW-GM). Dark reddish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt; trace cobbles. Burned wood fragments. Loose. Dry. 2.4-3.0 - Same as above. Fragments of slag present. 3.0-4.0 - No recovery.
4–8			63%	0		4.0-4.8 - Same as above. Upper interval contains slag. 4.8-6.0 - SAND with silt and gravel (SW-SM). Dark reddish brown. Sand: fine to coarse; Gravel: fine to coarse, rounded to subrounded; Silt; trace cobbles. Wood fragments. Loose. Moist. 6.0-6.5 - Gravelly SILT (ML). Dark brown. Silt: Low plasticity; Gravel: Coarse, rounded to subrounded. Wood fragments. Loose. Moist. 6.5-8.0 - No recovery.
8–12			96%	0		8.0-10.3 - Silty GRAVEL (GM). Dark brown. Gravel: fine to coarse, rounded to subrounded; Silt: low plasticity; trace cobble. Wood fragments throughout. Medium dense. Moist. 10.3-11.8 - SAND with silt (SP-SM). Blue gray. Sand: fine; Silt: med-plasticity. Trace wood fragments. Dense. Moist. 11.8-12 - No recovery.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						12-15 - Same as above.
14			75%	0		
15						15-16 - No recovery.
16						16-18 - SAND with gravel and silt (SW-SM). Blue gray. Sand: fine to coarse; Gravel: fine to coarse, rounded to subrounded; Silt: low plasticity; trace cobble. Dense. Moist.
17						
18			75%	0		18-19 - GRAVEL with sand (GW). Gray. Gravel: fine to coarse; rounded to subangular; Sand: fine to coarse. Med. dense. Moist.
19						19-20 - No recovery.
20						20-22.2 - GRAVEL with sand (GW). Dark gray. Gravel: fine to coarsel rounded to subangular; sand: fine to medium. Med. dense. Wet.
21	SL17GP02 (12-16' bgs)	12:37				
22			54%	0		22.2-24 - No recovery.
23						
24						
25						
26						*Note: Soil core extraction extended to 24 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 27 feet bgs. Insufficient groundwater productivitiy to support sample collection.*
27						Total depth = 27 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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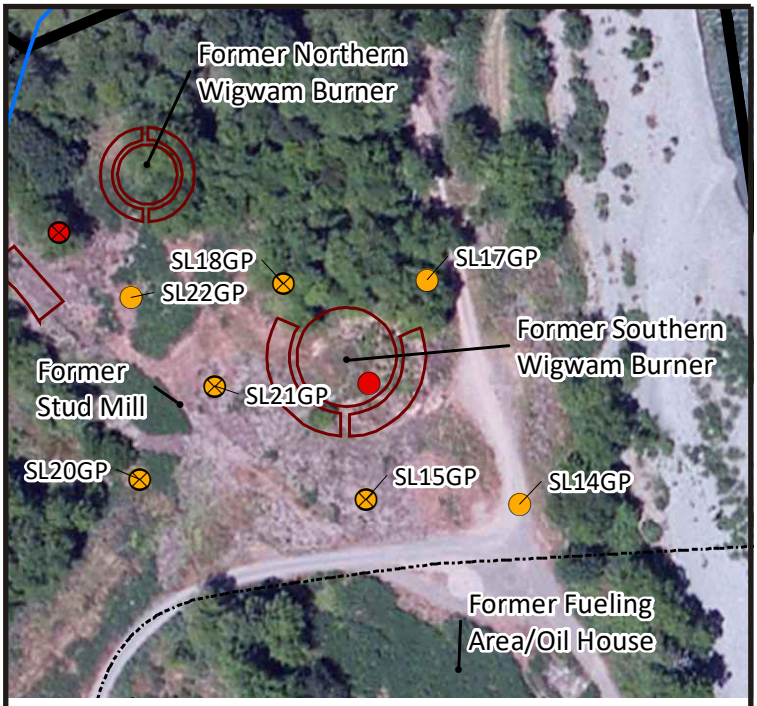
Drilling Log for SL18GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/12/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 16 feet bgs
Total Depth of Borehole: 20 feet bgs
Temporary Well Screen Interval: 16-20 feet bgs



GPS Coordinates: 42.77078909, -124.4615494

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL18GP01 (0-4' bgs)	08:52	100%	0		0.0-1.3 - GRAVEL with with sand and silt (GW-GM). Grayish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt; trace cobbles. Broken glass. Loose. Dry. 1.3-2.1 - SAND with silt (SP-SM). Black. Sand: poorly graded, fine; Silt: Low-plasticity; trace fine gravel. Fragments of brick, slag, and woody debris. Dense. Damp. 2.1-4.0 - SAND (SP). Brownish yellow. Sand: poorly graded, medium; trace silt. Trace fragments of burned roots. Dense. Moist.
4–8						Not logged.
8–12						Not logged.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13	SL18GP02 (12-16' bgs)	08:52	75%	0		12-14.3 - SAND (SP). Light reddish brown. Sand: poorly graded, fine; trace silt. Fe-staining. Med. dense. Wet.
14						14.3-15 - Sandy GRAVEL with silt (GW-GM). Reddish gray. Gravel: Fine to coarse, subrounded to subangular; Sand: fine to coarse; Silt: low plasticity. Cobble from 14.4-14.7'. Fe-staining. Medium dense. Saturated.
15						15-16 - No recovery.
16						Not logged.
17						*Note: Soil core extraction extended to 16 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 20 feet bgs to maximize well productivity.*
18						
19						Total depth = 20 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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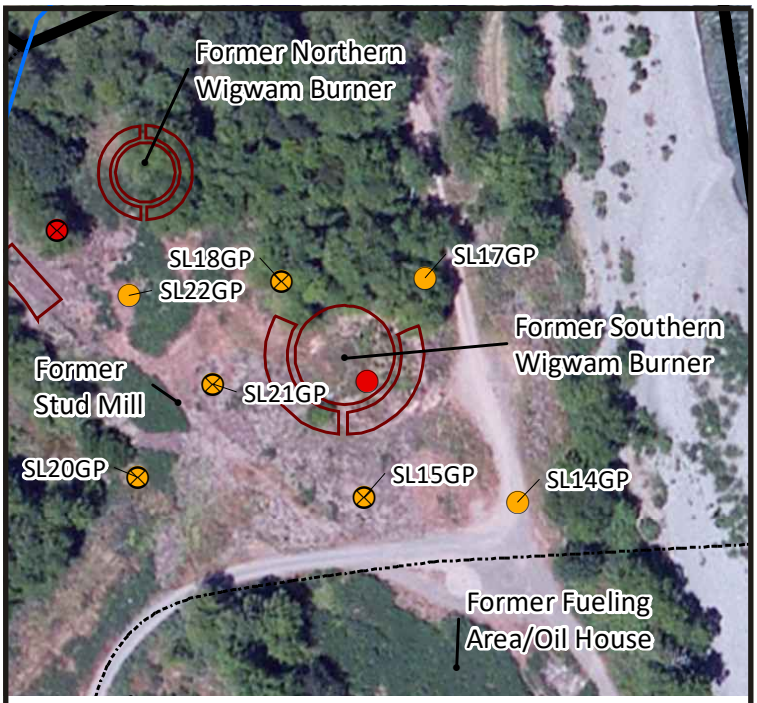
Drilling Log for SL20GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/11/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 14.5 feet bgs
Total Depth of Borehole: 19 feet bgs
Temporary Well Screen Interval: 15-19 feet bgs



GPS Coordinates: 42.77042856, -124.4618941

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL20GP01 (0-4' bgs)	13:40	50%	0		0.0-1.4 - GRAVEL with silt and sand (GW-GM). Dark brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt: low plasticity. Pieces of canvas. Loose. Dry. 1.4-2.0 - SAND with silt (SP-SM). Dark reddish brown. Sand: fine; Silt: low plasticity; trace fine gravel. Loose. Damp. 2.0-4.0 - No recovery. *Note: Advanced to 4-8 ft bgs because of reddish material observed at 1.4 feet bgs.*
4–8			100%	0		2.0-5.1 - Sand with silt (SP-SM). Light reddish brown. Sand: Fine; Silt: Med. plasticity. Burned wood fragments in lower interval. Dense. Damp. 5.1-6.9 - Sand with silt (SP-SM). Yellowish brown. Sand: medium; Silt: Med. plasticity. Fe-staining on roots. Dense. Damp. 6.9-9.0 - Sandy SILT (ML). Reddish brown. Silt: Med. plasticity. Sand: fine. Fe-staining on roots. Dense. Moist.
8–12						Not logged. *Note: Soil core extraction extended to 8 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 19 feet bgs to maximize well productivity.*

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged.
14						
15						
16						
17						Not logged.
18						
19						
20						Total depth = 19 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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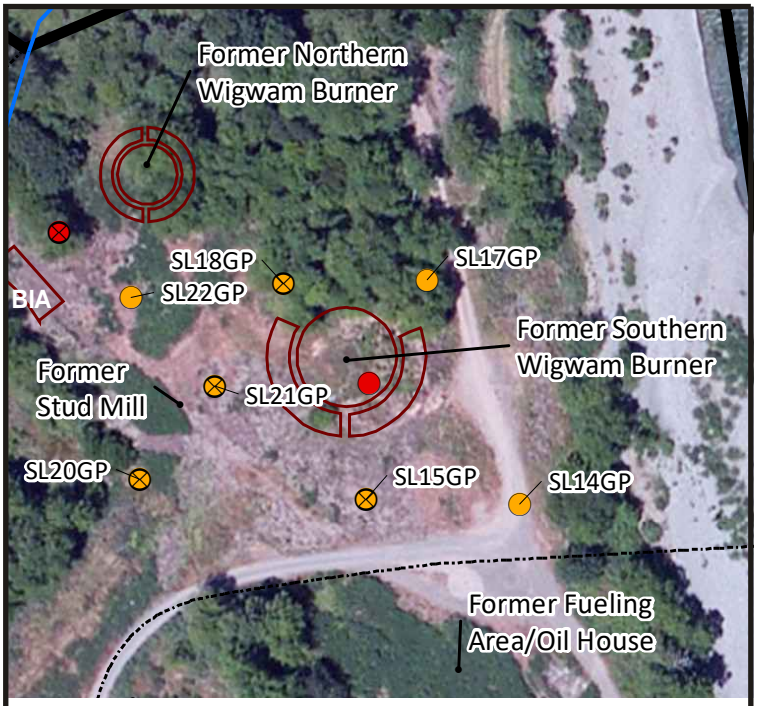
Drilling Log for SL21GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/12/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 15 feet bgs
Total Depth of Borehole: 20 feet bgs
Temporary Well Screen Interval: 16-20 feet bgs



GPS Coordinates: 42.77060027, -124.4617125

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL21GP01 (0-4' bgs)	10:10	100%	0		0.0-0.6 - GRAVEL with with sand and silt (GW-GM). Grayish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt. Rootlets. Loose. Dry. 0.6-2.7 - SAND with silt (SP-SM). Dark reddish brown. Sand: poorly graded, fine; Silt: low plasticity. Rootlets and burned wood fragments. Loose to med. dense. Damp. 2.7-4.0 - SAND with silt (SP-SM). Dark yellowish brown. Sand: poorly graded, medium. Silt: Low plasticity. Medium dense. Damp.
4–8						Not logged. *Note: Soil core extraction extended to 4 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 20 feet bgs to maximize well productivity.*
8–12						Not logged.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged.
14						
15						
16						
17						Not logged.
18						
19						
20						Total depth = 20 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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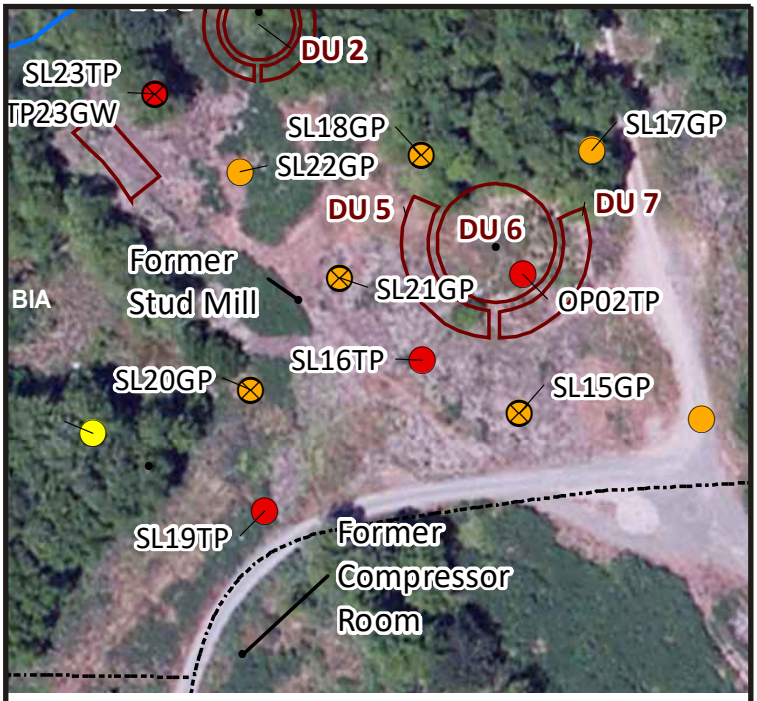
Drilling Log for SL22GP

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/12/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 15 feet bgs
Total Depth of Borehole: 20 feet bgs
Temporary Well Screen Interval: 16-20 feet bgs



GPS Coordinates: 42.77075865, -124.4619235

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4	SL22GP01 (0-4' bgs)	10:44	75%	0		0.0-0.4 - GRAVEL with with sand and silt (GW-GM). Grayish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt. Rootlets. Loose. Dry. 0.4-1.8 - Silty SAND (SM). Dark reddish brown.Sand: poorly graded, fine; Silt: low plasticity; trace fine gravel and cobbles. Trace burned wood. Rootlets. Dense. Damp. 1.8-3.0 - Silty SAND (SM). Light reddish brown. Sand: poorly graded, medium; Silt: low plasticity. Wood fragments and Fe-staining. Medium dense. Damp. 3.0-4.0 - No recovery
4–8						Not logged. *Note: Soil core extraction extended to 4 feet bgs. Temporary groundwater well screen advanced past bottom coring depth to 20 feet bgs to maximize well productivity.*
8–12						Not logged.

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
12						
13						Not logged.
14						
15						
16						
17						Not logged.
18						
19						
20						Total depth = 20 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.
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Drilling Log for OP01GP01

Project Name: Former Western States Plywood
Site Location: Port Orford, Oregon
Date Started/Finished: 9/13/2020
Driller's Name: Alan Jensen
Geologist's Name: M.Talaia-Murray
Geologist's Signature:
Rig Type(s): Geoprobe
Depth to Water: 7 feet bgs
Total Depth of Borehole: 12 feet bgs
Temporary Well Screen Interval: 8-12 feet bgs

GPS Coordinates: 42.76850973,-124.4615728

Depth (Feet)	Sample Number	Sample Times	Core Recovery	PID (PPM)	Soil Type	Comments
1–4			100%	0		0.0-0.8 - GRAVEL with with sand and silt (GW-GM). Grayish brown. Gravel: fine to coarse, rounded to subangular; Sand: fine to coarse; Silt. Rootlets. Loose. Dry. 0.8-2.7 - Silty SAND (SM). Dark brown. Sand: poorly graded, fine; Silt: low plasticity. Woodchips, small fragments of brick and burned wood. Medium dense. Damp. 2.7-4.0 - Silty SAND (SM). Brownish yellow. Sand: poorly graded, fine; Silt: low plasticity. Trace fine gravel and coarse sand in lower interval. Fragments of burned wood. Medium dense. Moist.
4–8	OP01GP01 (4-8' bgs)	10:20	71%	0		2.0-5.0 - Silty SAND (SM). Brownish yellow. Sand: poorly graded, fine; Silt: low plasticity. Trace fine gravel in upper interval. 5.0-6.8 - Silty GRAVEL with sand (GM). Grayish brown. Gravel: fine to coarse, subrounded to angular; Sand: fine to coarse; Silt; trace cobbles. Medium dense. Moist. 6.8-8.0 - No recovery.
8–12						Not logged. Total depth = 12 ft Borehole backfilled with bentonite grout to ~2 feet bgs and 3/8-inch bentonite chips to surface.

E Level I Ecological Risk Assessment

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MEMORANDUM

Date: December 30, 2020

To: Brandon Perkins, Site Assessment Manager, EPA, Seattle, WA

From: Derek Pulvino, START-IV Project Manager, WSP USA, Inc., Seattle, WA

Thru: Linda Ader, START-IV Team Leader, WSP USA, Inc., Seattle, WA LEA

Subject: Level I Ecological Risk Assessment
Former Western States Plywood Cooperative Mill
Port Orford, Oregon

Ref: Contract Number: EP-S7-13-07
Task Order, Subtask Number: TO-0380-013

Existing Data Summary

Site Location

A Level I Ecological Risk Assessment (ERA) has been completed for the Former Western States Plywood Cooperative Mill (FWSPCM; Site) as a component of a Targeted Brownfields Assessment (TBA) conducted by WSP USA, Inc. on behalf of the Environmental Protection Agency (EPA). The Site is located in Port Orford, Curry County, Oregon; a coastal town situated on the Pacific Ocean in a rural area of southwest Oregon. The town, and the Site itself, are relatively remote, situated approximately 170 miles and more than 3 hours driving distance from Eugene, Oregon (Figure 1). The FWSPCM Site as defined for this project includes five separate Tax Lots (Tax Lots, 104, 900, 901, 902, and 903), which together comprise 28.17 acres of this total area, were occupied by the FWSPCM (Figure 2). At the time of this writing, Tax Lots 104, 900, and 901 are owned by Elk River Partners, LLC (ERP), JJW Sustainable Land Trust, LLC (JJW) is the owner of Tax Lot 902, and Tax Lot 903 is owned by a separate private party. As the assessment efforts for this group of parcels is completed, ERP and JJW intend to convey ownership and/or control of their land to Wild Rivers Land Trust (WRLT). It should be noted that during the time this project was underway, representatives of ERP/WRLT were in continued discussions with the owner of Tax Lot 903 to arrange for its purchase and/or access; such access was not however granted prior to beginning field efforts, and while that parcel remains within the stakeholders long-term plans for the Site, it was not included in the scope of the TBA investigation or this ERA.

Site History

The Site is a former plywood manufacturing facility that once contained a plywood mill building. This structure occupied portions of four of the five lots listed above. Various mill-related improvements including wigwam burners, boilers, offices, storage buildings, a fire suppression pond, a log storage pond, and log storage areas occupied the balance of the mill property (Figures 2, 3, and 4).

The mill property was vacant and undeveloped land prior to construction of the mill. In 1940, the Site was forested. By 1951, the Site was cleared of most vegetation, and from the 1950s through 1975 it was developed and operated as a plywood mill. The exact date of the mill's construction is uncertain. The mill was destroyed by fire in 1976. By 1980, the mill structures mostly had been removed, and by 2006 the wigwam burners and most of the buildings' foundations also had been removed. While in operation, the

mill appears to have occupied a single parcel of land; the property appears to have been subdivided into the currently present five individual tax lots after the mill's closure.

For additional details on historic features and activities at the Site, please refer to the FWSPCM TBA report with which this ERA is associated.

Site Land and Water Use

The Site is in the alluvial plain of the Elk River, bracketed generally to the north and south by the hillsides of Oregon's coastal range. The alluvial plain materials underlying the Site typically comprise mixtures of sand, gravel, and silt (Walker and MacLeod 1991). During subsurface drilling at the Site, such conditions were confirmed, with a mixture of sands, silts, and gravel were encountered to the full depth of exploration at the site at 25 feet below ground surface (bgs). Groundwater was typically encountered within 10 to 15 feet bgs and was present at an average depth of 12 feet bgs; though it was encountered at approximately 7.5 feet bgs near the south end of the former log pond, and at approximately 17 feet bgs north of the former log pond. While the groundwater flow direction has not determined, based on topography, the groundwater flow direction is inferred to range from an easterly to a northwesterly direction, and is likely subject to seasonal variation.

Bagley Creek traverses the Site in a generally north to south direction, flowing onto the Site through a culverted channel from the hillsides to the south. In its natural state, after crossing the Site, Bagley Creek had discharged directly to the Elk River which flows to the north on the eastern side of the Site. However, while FWSPCM was in operation as a plywood mill, Bagley Creek was used as a water source for the mill's log and fire suppression ponds (Figures 2 and 3). While the majority of the diking and dams associated with the ponds remain, a narrow opening was excavated through the former log pond's northern earthen dam. While this helped facilitate the passage of water from the ponds and creek to Elk River, beavers regularly rebuild a dam on the former log pond. This impounds water in the former log pond over the summer months, functionally disconnecting the creek from Elk River for fish rearing purposes. A second dam located between the log and fire suppression ponds remains unaltered and intact (WRLT ND).

Elk River is a national and state designated Wild and Scenic river, providing habitat for steelhead, and the federal-listed endangered Coho salmon. Much of the Elk River watershed is federally owned, with large areas of the United States Forest Service-managed river headwaters protected as designated wilderness or late successional reserve. Because of this, water quality in the river is generally good, with tree canopy helping to minimize the time duration of transient, high turbidity events. That said, addressing the lack of floodplain and high-quality tributary channel structure are key goals in stakeholder's fish conservation and habitat restoration in the Elk River, of which the FWSPCM is a part (WRLT ND).

Known or Suspected Hazardous Substance Releases

Given the past operations at the Site, as well as the results of recent environmental testing, sources of contamination could include industrial machinery and vehicles operated onsite, leaks or spills from oil-filled transformers or of maintenance shop-related materials stored in containers, and possible releases of wood treatment chemicals such as PCP. Potential contaminants associated with such past operations were identified as including metals (including mercury), Total Petroleum Hydrocarbons (TPH) as diesel to heavy-oil (TPH-Dx), TPH as gasoline (TPH-Gx), semivolatile organic compounds (SVOCs) including pentachlorophenol (PCP) and polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls

(PCBs), the TPH-Gx associated BTEX products (i.e., benzene, toluene, ethylbenzene, and xylene or VOCs), formaldehyde, and dioxins/furans.

Sensitive Environments

Bagley Creek generally traverses the western portion of the subject Site, discharging into the former log pond and the former fire suppression pond that had been built as a part of the mill complex prior to discharging into Elk River. Prior to this construction, Bagley Creek had connected directly to the Elk River, providing prime fish spawning habitat both in the portions of the creek located on the Site, and in those portions of the creek within the watershed and drainage basins further to the south. Construction of these ponds not only destroyed the onsite spawning grounds, but also severed the connection between Elk River and the upstream forested headwater spawning and rearing habitat. Bagley Creek is one of the two remaining priority tributaries within the Elk River watershed with barriers that prevent upstream salmon passage to spawning habitat (WRLT ND).

As shown of Figure 5, USFWS's National Wetlands Inventory (NWI) maps depicts several wetlands at low spots on the Site. These include freshwater emergent and freshwater forest/shrub wetlands within the former log pond, and a freshwater emergent wetland on a portion of Tax Lots 902 and 903 (USFWS 2020a). Freshwater emergent and freshwater forest/shrub wetlands within the former log pond continue via freshwater forest/shrub wetlands to the northeast along Bagley Creek, draining into the Elk River. Bagley Creek continues south of the former log pond, exiting the Site. As defined by Oregon Administrative Rule (OAR) 340-122-0115 (50), these potential wetland areas meet the definition of sensitive habitat. No other sensitive environments are located within the boundaries of the Site.

Threatened and/or Endangered Species

According to USFWS's Information, Planning, and Consultation System (IPaC) and ODFW Compass tool, the following special status species in the table below may be present at the Site (USFWS 2020b, ODFWS 2020). There is no critical habitat within, or adjacent to, the Site.

Threatened and Endangered Species Potentially Present on Site

Common Name	Scientific Name	Status
Birds		
Acorn woodpecker	*Melanerpes formicivorus*	SC, SS
Bald eagle	*Haliaeetus leucocephalus*	BCC
Black oystercatcher	*Haematopus bachmani*	BCC, SC, SS
Black turnstone	*Arenaria melanocephala*	BCC
Clark's grebe	*Aechmophorus clarkii*	BCC
Fork-tailed Storm-Petrel	*Oceanodroma furcata*	SS
Northern goshawk	*Accipiter gentilis atricapillus*	SC, SS
Northern spotted owl	*Strix occidentalis caurina*	FT, ST

Common Name	Scientific Name	Status
Olive-sided flycatcher	*Contopus cooperi*	SC, SS
Oregon vesper sparrow	*Pooecetes gramineus affinis*	SC, SS
Pileated woodpecker	*Dryocopus pileatus*	SS
Purple martin	*Progne subis arboricola*	SC, SS
Upland sandpiper	*Bartramia longicauda*	SC, SS
Western bluebird	*Sialia mexicana*	SS
Western meadowlark	*Sturnella neglecta*	SS
Western snowy plover	*Charadrius nivosus nivosus*	FT
Willow flycatcher	*Empidonax traillii*	SC, SS
Yellow-breasted chat	*Icteria virens auricollis*	SC, SS
Plants		
Western lily	*Lilium occidentale*	FE
Clouded salamander	*Aneides ferreus*	SS
Coastal tailed frog	*Ascaphus truei*	SC, SS
Del Norte salamander	*Plethodon elongatus*	SC, SS
Foothill yellow-legged frog	*Rana boylii*	SC, SS
Northern red-legged frog	*Rana aurora*	BCC
Northern sagebrush lizard	*Sceloporus graciosus graciosus*	SC, SS
Southern torrent salamander	*Rhyacotriton variegatus*	SC
Fish		
Coastal cutthroat trout	*Oncorhynchus clarki clarki*	SC, SS
Mammals		
California myotis	*Myotis californicus*	SS
Fisher	*Pekania pennanti*	SC, SS
Hoary bat	*Lasiurus cinereus*	SC, SS
Long-legged myotis	*Myotis volans*	SC, SS

Common Name	Scientific Name	Status
Red tree vole	*Arborimus longicaudus*	SS
Ringtail	*Bassariscus astutus*	SS
Silver-haired bat	*Lasionycteris noctivagans*	SC, SS
Townsend's big-eared bat	*Corynorhinus townsendii*	SC, SS

Source: (USFWS 2020b)

Key:
FE = Federal endangered
FT = Federal threatened
SC = Federal species of concern
SS = State sensitive
ST = State threatened
BCC = Birds of conservation concern

In addition, while not currently present on the Site, the Elk River Coho salmon, a federally listed threatened species, is present in the Elk River (WRLT ND).

Site Visit Summary

WSP accessed the Site from September 8, 2020 through September 13, 2020 to assess whether ecological receptors and/or exposure pathways are present or potentially present at or in the vicinity of the Site. Site photographs are attached to this memorandum.

Contaminants of Interest

As discussed previously, past operations at the Site as well as the results of recent environmental testing identified multiple potential contaminants of interest (COI) at the site. These included metals (including mercury), TPH-Dx, TPH-Gx, SVOCs including PCP and PAHs, PCBs, the TPH-Gx associated BTEX products (i.e., VOCs), formaldehyde, and dioxins/furans. Under the EPA TBA, a total of 125 samples were collected for fixed laboratory analysis for these COI groups to better understand the concentration and extent of these COI at the Site. These samples targeted surface soil, subsurface soil, groundwater, surface sediment, and surface water. TBA sampling efforts utilized a biased sampling approach, focusing locations where site history and previous sampling activity indicated that the highest contaminant concentrations were most likely to be encountered, and thus be representative of a reasonable maximum exposure. Surface soil samples were collected utilizing incremental sampling methodology (ISM). Soil samples collected using a direct push drill rig or from test pit excavations are referred to as subsurface samples in this memorandum, even if they included soils collected from depths that are less than 3 feet. All other samples were discrete, grab samples. Although subsurface soil samples from depths greater than 3 feet are not considered by Oregon Department of Environmental Quality (ODEQ) to be representative of "surface soils" for ecological exposure assessment purposes, these sample results were included in this Level I ERA since future site modifications may involve soil excavation that exposes these deeper horizons.

The analytical results summary tables attached to this memorandum in Tables 1 through 11 are a condensed version of the laboratory data, and generally only include analytes that were detected in one or more sample in a given area. Each of these attached tables include the results of analysis, provide

ecological risk-based concentrations (RBCs) for non-threatened and endangered species (i.e., for soils) (ODEQ 2020) or Level II Screening Level Values (SLVs) (i.e., for surface water and sediment) (ODEQ 1998). Screening assumptions utilize the ODEQ's default assessment endpoints. Soil summary tables also include background metals concentrations as established by ODEQ for the region of the site (Klamath Mountains) (ODEQ 2018). As site groundwater RBCs have not been established to be protective surface water quality, groundwater results are compared to the surface water SLVs. All sample locations are depicted on Figure 6.

Highlighting has been added to these tables to assist in identifying results that exceed guild specific RBC values, with separate color coding used to identify COI concentrations that exceed the most restrictive (i.e., lowest) and least restrictive (i.e., highest) RBC. In addition, soil results summary tables include additional hatching to designate those inorganic COI concentrations that exceed both an RBC, and the regional metals background concentrations. The reader should note that ecological RBCs for higher trophic level birds and mammals are not included in these tables, as these values are the highest screening (least conservative) level value, and exceedances at the site were typically only in connection with the most conservative (i.e., lowest) available screening level value.

For additional details on sampling methodology, analytical methods, and other field observations from the sampling event, the user of this report is referred to the TBA for the FWSPCM (WSP 2020).

Observed Impacts

Visually observable impacts to the Site included sheens noted on the water surface of the fire suppression pond as well as on the surface of Bagley Creek where it ran through the former log pond. In addition, some intervals of discolored soil, apparent petroleum-like odors, and burner slag/clinkers were observed in several of the test pits excavated as a portion of TBA sampling activity.

Chemical analysis of samples collected during the TBA identified multiple COIs in soil, sediment, and surface water at concentrations above the most restrictive (i.e., lowest) ecological RBC. This included dioxins/furans; various metals; TPH as gasoline, diesel, and heavy oil; bis(2-ethylhexyl)phthalate, benzo(a)anthracene, and phenanthrene. These exceedances are discussed in further detail in the Exposure Pathway section of this memo.

Ecological Features

Attachment 1 in the group of ODEQ Level I ERA forms presents the evaluation of ecological features, receptors, and habitat identified at the Site. Photographs taken during the Level I ERA site visit are included as an attachment to this memorandum and Figure 5 illustrates the location of features observed during the biologist's site walk. The reader should note that polygons denoting the boundaries of wetlands on the site are as provided by the NWI map, without modification. In some instances, the field biologist's observations of these boundaries differed somewhat from those provided by NWI. As the purpose of this Level I ERA was to identify presence/absence of sensitive environments and not to define the wetland boundaries, boundary disagreements between field observations and the NWI have not been reconciled on Figure 5 and both sets of information are provided on that map.

Approximately 0.5 percent (0.14 acre) of the Site is lentic (non-flowing) aquatic environment. The lentic environmental is comprised of the former fire suppression pond (Photographs 2 through 7). Pond substrate is unconsolidated bottom mud. Dominant vegetation within the pond includes hornwort, duck weed, and water lilies. The pond is hydrologically connected to Bagley Creek by a culvert located at the

eastern boundary and the northern boundary of the pond. The fire suppression pond pump house abuts the former fire suppression pond to the east. One raptor was observed in the vicinity of the pond. No nests were observed. One potential bat roosting tree was observed north of the pond.

Approximately 25.6 percent (7.2 acres) of the Site is wetland aquatic environment. The former log pond comprises approximately 4.4 acres of freshwater Palustrine emergent (PEM) wetland (Photographs 9 through 13). The wetland is hydrologically connected to, and receives water from Bagley Creek, as Bagley Creek historically supported a defined bed and bank in this area, connecting to Small Creek. Bagley Creek was dammed during the former Plywood Mill operations. Typical vegetation in the former log pond includes cattail, juncus, phalaris, and skunk cabbage. The wetland supports dead tree stands ranging from approximately 2 inches in diameter to five inches in diameter and areas of standing water. Various bird species were observed in the vicinity of the former log pond. No nests were observed. One tadpole was observed in standing water within the wetland boundaries. Other wetlands on site included a PEM wetland less than 1 acre (Photographs 19 and 20) dominated by juncus and grass species and a Palustrine scrub-shrub (PSS) wetland less than 1 acre (Photograph 18) dominated by willow.

Approximately 1.1 percent of the Site is lotic (flowing) aquatic environment comprised of Bagley Creek, 0.1 acre, (Photographs 8, 14 through 17) and Elk River (Photograph 22), 0.2 acre, both perennial streams. Bagley Creek enters the Site from the southwest and is routed through a culvert into the former fire suppression pond. The creek exits the pond through a culvert on the north end of the pond where it temporarily gains defined bed and bank before losing definition in the former log pond, PEM wetland. The bed and bank within this reach of Bagley Creek is steep with undercut banks and scrub-shrub dominated riparian areas. Substrate of Bagley Creek in this reach is cobble. At the confluence of Bagley Creek and the former log pond, Bagley Creek supports minimal riffle habitats. Bagley Creek exits the former log pond to the north where it transverses an agricultural field used for cow grazing before emptying into Elk River. The bed and bank within this reach of Bagley Creek are highly eroded and dominated with grasses. Substrate of Bagley Creek is mucky loam. Elk River is a national and state designated Wild and Scenic river, providing habitat for steelhead, and the federal-listed endangered Coho salmon. A small reach of Elk River is located within northwest portion of the Site. Substrate of Elk River is gravel and cobble. The banks are comprised of gravel floodplain and grasses.

Approximately 48.8 percent of the Site is terrestrial scrub/scrub/grasses. The Site is largely dominated by weedy, invasive species including grasses, gorse (*Ulex europaeus*), and Himalayan blackberry (*Rubs discolor*).

Approximately 24 percent of the Site is terrestrial ruderal. The Site is occupied by remains of, and dilapidated industrial buildings. Dirt access roads bisect the site in a general north-south direction. A gravel road is located on the eastern boundary of the Site and is used by abutting property owners.

Ecologically Important Species and Habitat

The former log pond comprises approximately 4.4 acres of PEM wetland. Although the wetland area supports a high percent coverage of invasive species, the habitat provides moderate quality habitat for a variety of species. No aquatic or terrestrial species were observed within the wetland area during the site visit. Bird species were observed throughout the wetland understory and within trees. No nests were observed.

Potential bat roosting trees were observed near the former fire suppression pond and within and adjacent to the former log pond. Trees ranged in diameter at breast height (DBH) from approximately 4 inches to 9

inches. Potential habitat included cracks and crevices and sloughing bark. No bats were observed (See Photographs attached to this memorandum).

One raptor was observed near the former fire suppression pond. No nests were observed.

Exposure Pathways

A general evaluation of potential receptor-pathway interactions is provided in the checklist for Evaluation of Receptor-Pathway Interactions presented as Attachment 2. As summarized on the checklist, COIs are currently present in soils, surface water/sediment, and groundwater at the Site. Again, sample locations are depicted on Figure 6, while the analytical results are summarized in Tables 1 through 11.

Soils

For soil, while a large number of metals exceeded the most restrictive RBC available for the soil, the vast majority of these COI exceedances were at concentrations within the range of expected natural background concentrations for the Klamath Mountains. Metals concentrations in soils that exceeded both the most restrictive cleanup level and the regional metals background level included antimony (two grab subsurface and three ISM surface samples), arsenic (three ISM surface soil samples), barium (two grab subsurface and one ISM surface soil samples), copper (two grab subsurface and five ISM surface soil samples), lead (two grab subsurface and five ISM surface soil samples), mercury (two grab subsurface and four ISM surface soil samples), and zinc (four grab subsurface and nine ISM surface soil samples) (see Tables 1 through 7 for grab subsurface soil results and Table 11 for ISM surface soil results).

Dioxins/furans, as represented by the calculated toxicity equivalent quotient (TEQ) value, were the organic constituent most extensively encountered at concentrations above the respective RBC, exceeding the RBC in 21 subsurface soil samples and all 10 surface soil samples. While individual dioxin/furan congeners also exceeded an associated RBC, in all but two subsurface samples, where an individual congener exceeded an RBC, the TEQ value associated with that sample also exceeded the RBC (see Tables 1 through 7 for grab subsurface soil results and Table 11 for ISM surface soil results).

Other organic exceedances were limited, with concentrations of bis(2-ethylhexly)phthalate (one grab subsurface sample) TPH as diesel (two grab subsurface samples), TPH as motor oil (two grab subsurface samples), and TPH as gasoline (one grab subsurface sample) exceeding the most restrictive associated RBC. It should be noted the in one grab subsurface sample with a TPH as diesel exceedance, the total TPH-Dx concentrations (i.e., concentration of motor oil plus diesel) would exceed the most restrictive associated RBC.

Surface Water/Sediment

For sediment results, dioxins/furans as represented by the calculated TEQ value were the predominant organic constituents detected in at concentrations in excess of the Ecological SLVs (Table 8). Sediment sample TEQ values exceeded the utilized SLV in the three samples collected from the northern margin of the former log pond. One sample (PD02SD) also contained concentrations of benzo(a)anthracene and phenanthrene marginally above the sediment SLV. Additionally, while multiple metals were detected in sediments at concentrations above an SLV, with two exceptions all of those concentrations were below the background metals concentration for the region. The two exceptions were lead and zinc detected in sample PD03SD. It should be noted that as the ODEQ Level II sediment SLV table does not include

specific TEQ exposure levels for mammal, birds, or fish, therefore these TEQ values were compared to the general freshwater sediment SLV for 2,3,7,8-TCDD.

While surface water samples did not have any organic constituents present above an SLV, these samples did have detections of barium at concentrations above the most restrictive ecological SLV in all total and dissolved samples. Additionally, the total metals surface water sample from location PD01SW had concentrations of aluminum and iron above the ecological SLV, neither of these COIs exceeded this SLV in the dissolved sample (Table 9).

Groundwater

Groundwater samples were also collected during this investigation, however based on the depth to groundwater at the Site, this media does not appear to represent a complete exposure pathway for ecological receptors. However, to help the reader develop a fuller picture of sampling and testing performed in conjunction with the FWSPCM TBA, groundwater analytical summary table (Table 10) has been included in this memorandum, providing the most restrictive available surface water SLV for comparative reference.

Recommendations

WSP completed a Level I ERA for the Site, located in Port Orford, Curry County, Oregon. Port Orford. WSP accessed the Site from September 8, 2020 through September 13, 2020 to assess whether ecological receptors and/or exposure pathways are present or potentially present at or in the vicinity of the Site. The Site visit and historical research identified no ecologically important species (e.g., threatened or endangered) or habitats present within the Site. Accordingly, we have concluded that no further work is necessary to assess the potential for adverse ecological impacts to threatened or endangered terrestrial ecological receptors at the Site in its current state.

Sampling has however identified multiple organic and inorganic COIs in site soils at concentrations that exceed one or more ecological RBC. In general, these exceedances were relative to the most conservative available RBC, and the majority of inorganic COI present at concentrations in excess of an RBC were however below the regional background concentration. For organic constituents, dioxins/furans concentrations as represented by the calculated TEQ value were the predominant COI exceedance, with these exceedances occurring in surface soils and subsurface soils collected from a large portion of the site. Dioxin TEQ values in three sediment samples from the northern portion of the former log pond also exceeded the default freshwater sediment ecological SLV for 2,3,7,8-TCDD.

Given the above, and as many of the near surface soil samples collected during this investigation represented a composite of soils extending from the ground surface up to 4 feet bgs, additional assessment is recommended to better understand the vertical extent of these RBC exceedances, the potential for soils and sediments to be part of a complete exposure pathway for ecological receptors that may be present on the site, and whether the default RBC/SLVs used in this comparison are appropriate for expected end use and/or exposure pathway related scenarios. Such evaluations may include assessing carbon normalized analytical results, better understanding actual exposure risks and adjusting RBCs with more site specific inputs for receptors on the site, looking at receptors cumulative exposure risk to contaminants at the site, as well as other risk assessment steps associated with Level II and/or Level III ERA efforts. In conjunction with habitat restoration planing, finalized, future assessments should also consider onsite contaminants potential impacts to the Federally Threatened listed Coho salmon as they are reintroduced to the Site.

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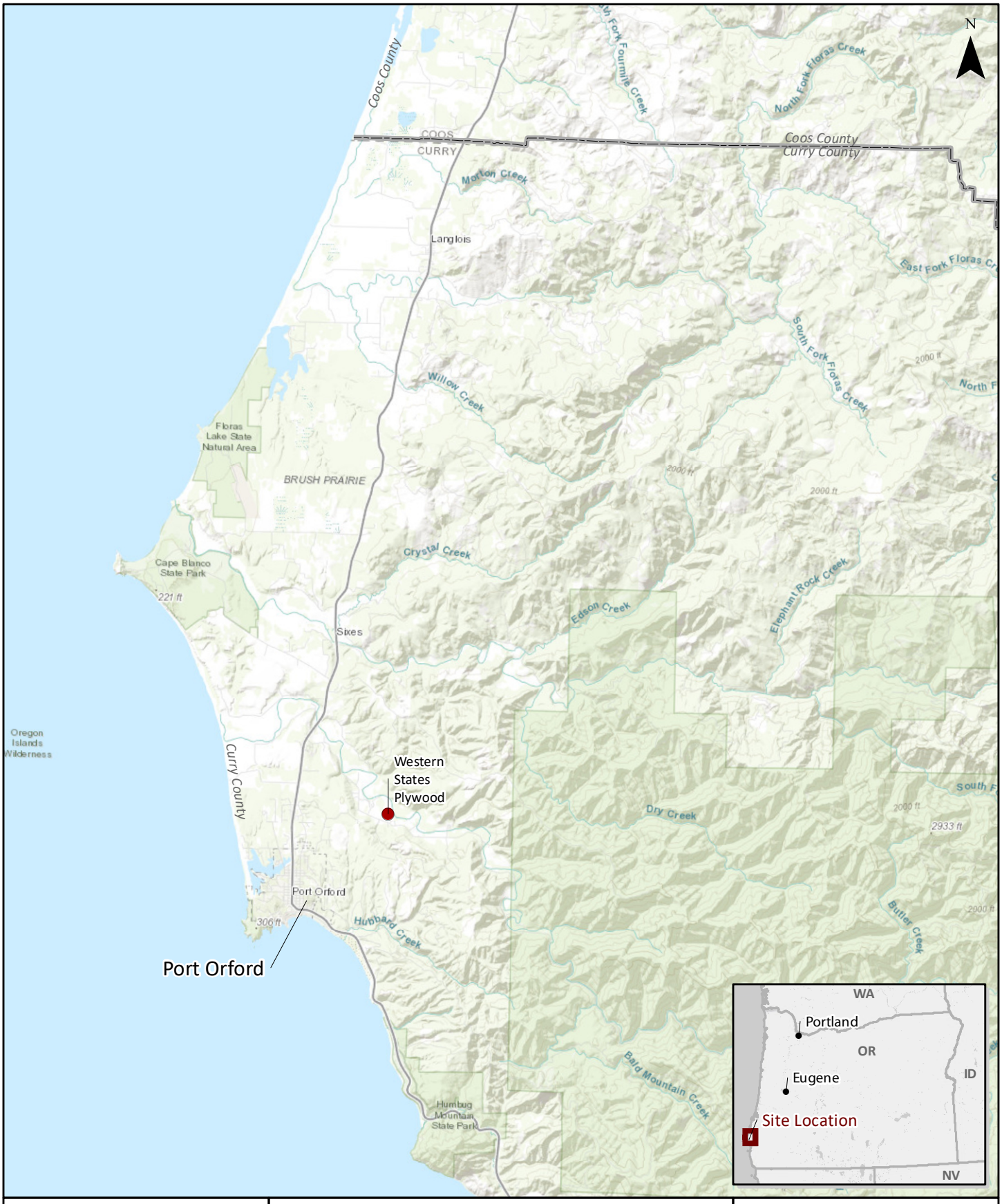
Figures:

Figure 1 – Site Location Map
Figure 2 – Site Layout Map
Figure 3 – Site Layout Map-Historic Aerial (1970)
Figure 4 – Historic Site Plan (Assessor)
Figure 5 – Wetlands and Ecosurvey Notes
Figure 6 – Sample Location Map



ecology and environment, inc.
Member of WSP

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 0.5 1 2 3 4
Miles

Figure 1
Site Location Map

12/8/2020

ecology and environment, inc.
Member of WSP

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

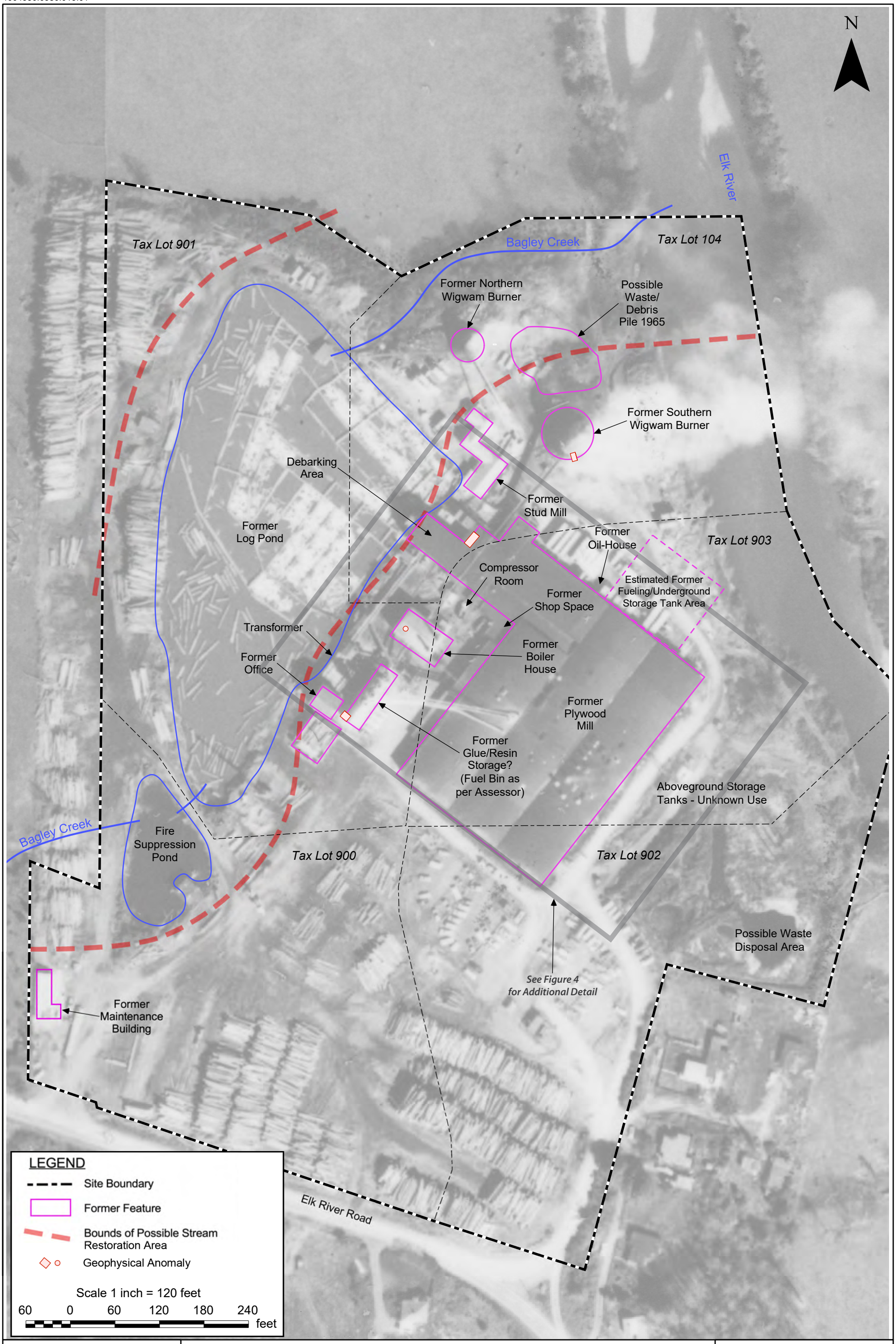
0 50 100 200 300 400
Feet

Sources: Esri 2020

Figure 2
Site Layout Map

12/16/2020

1004530.0380.013.01



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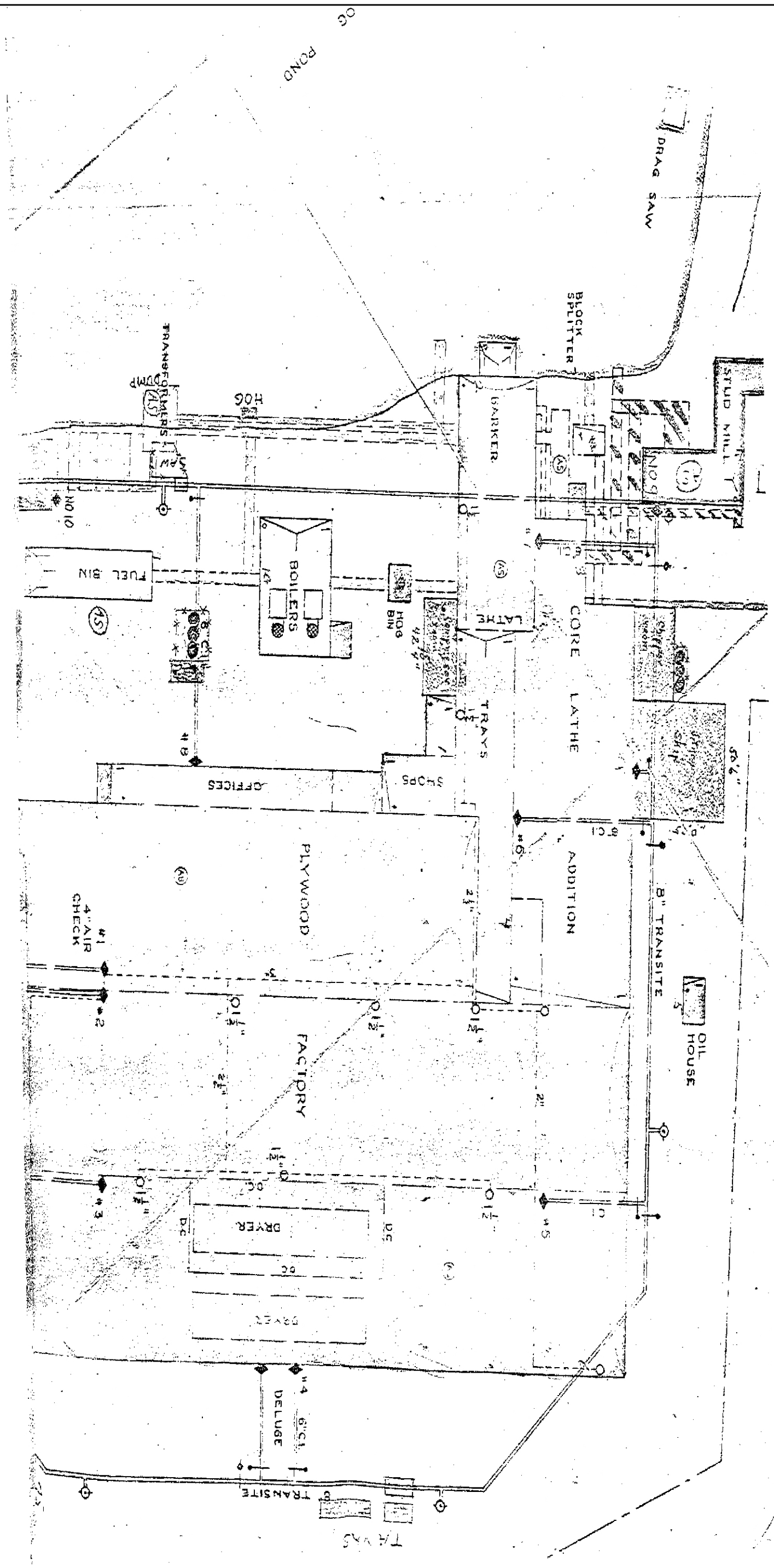
Member of WSP

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

Source: HAI 2019

Figure 3
Site Layout Map
Historic Aerial (1970)
12/8/2020



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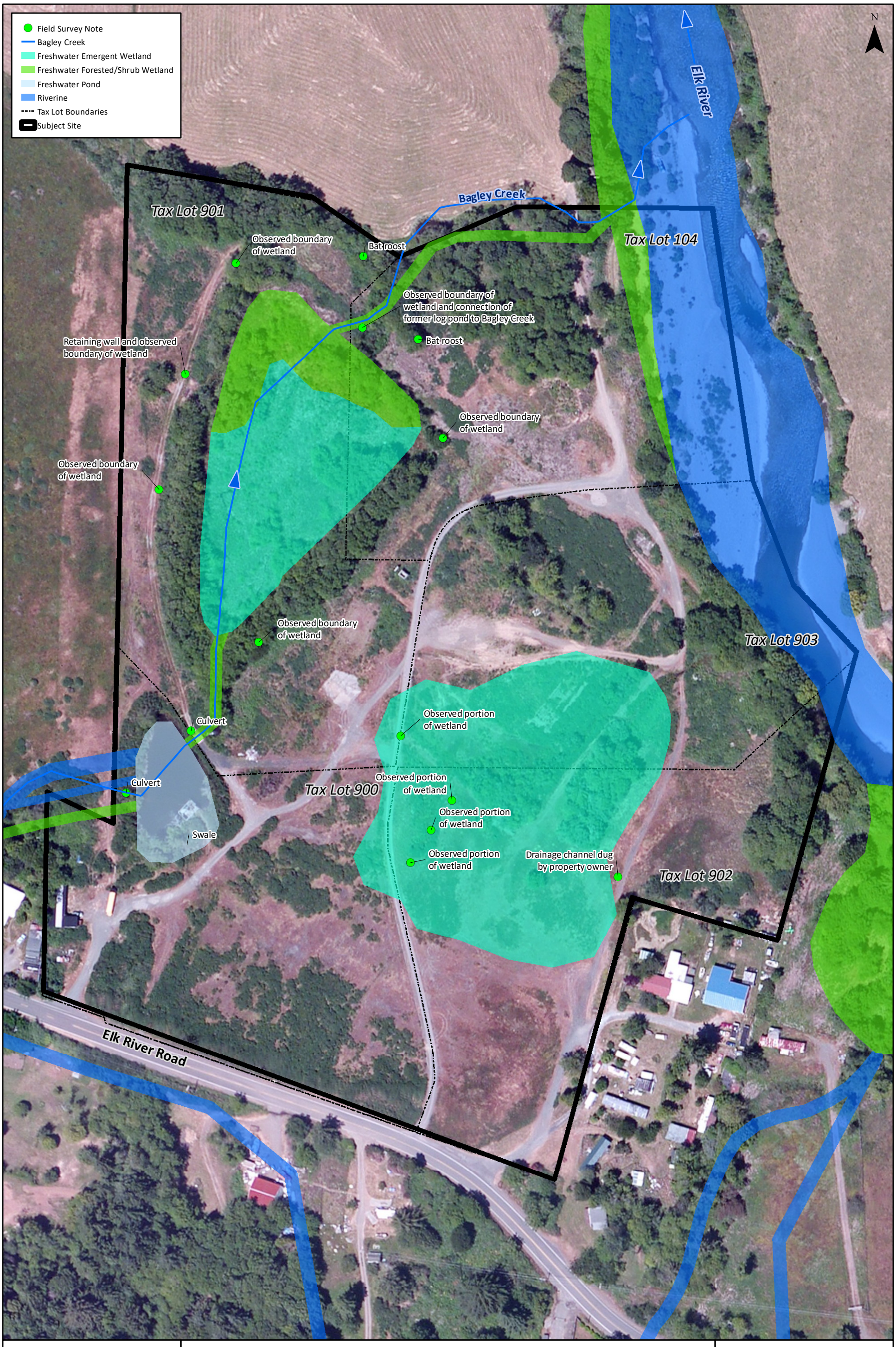
Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 25 50 100 150 200
Feet

Figure 4
Historic Site Plan (Assessor)

12/8/2020

Source: Curry County Assessor



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Member of WSP

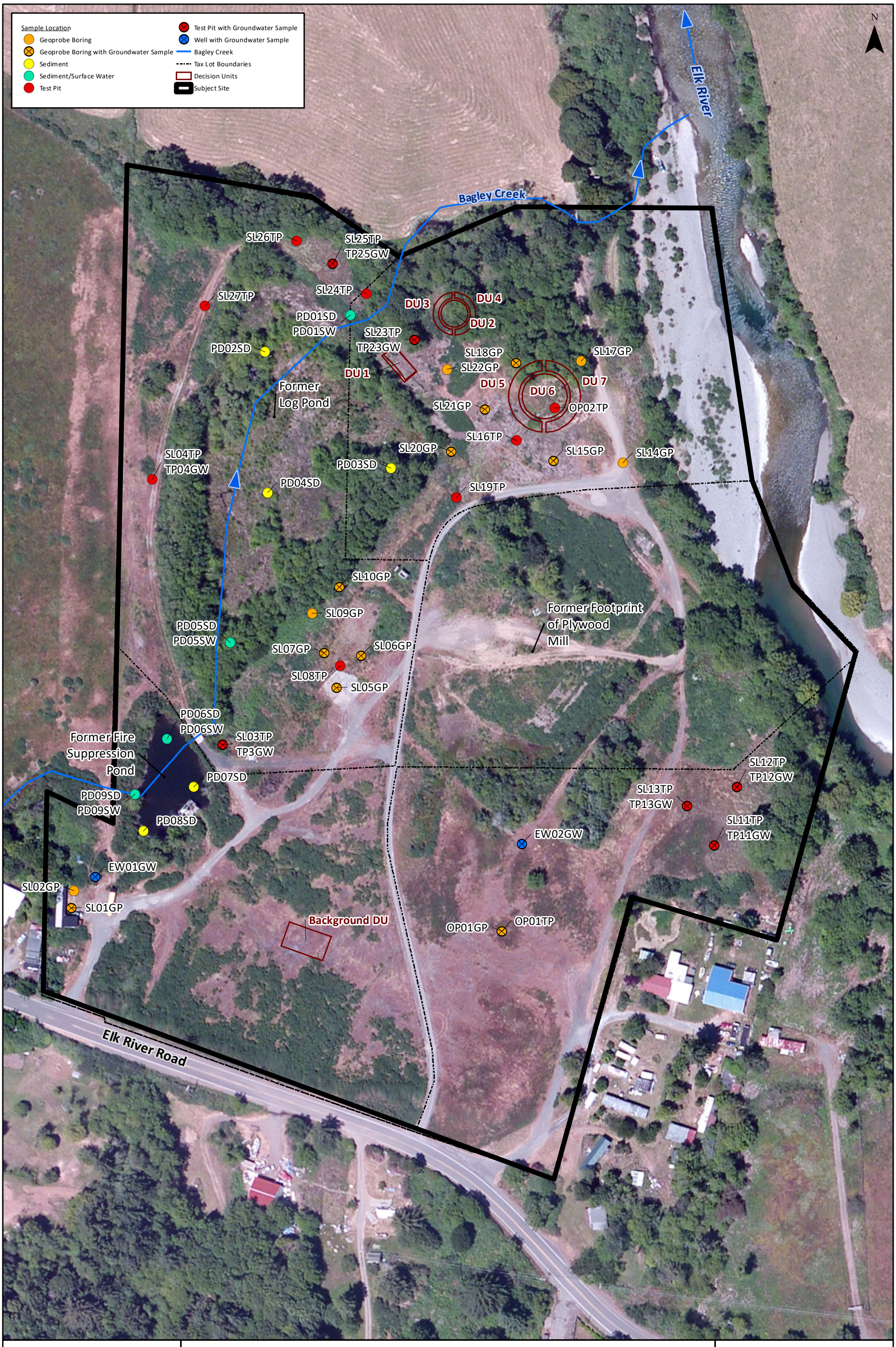
Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 50 100 200 300 400
Feet

Sources: Esri 2020, USFWS NWI 2020

Figure 5
Wetlands

12/16/2020



ecology and environment, inc.
Member of WSP

Former Western States Plywood Cooperative Mill
Port Orford, Oregon

0 50 100 200 300 400
Feet

Sources: Esri 2020

Figure 6
Sample Locations

12/16/2020

Ecosurvey Photographs

Photo 1: Typical access road and ruderal landscape within the Analysis Area, facing east.

Photo 2: Former fire suppression pond facing southeast.

Photo 3: Former fire suppression pond, facing west.

Photo 4: Surface water of the former fire suppression pond

Photo 5: Former fire suppression pond culvert located at the north end of pond, facing north, draining into Bagley Creek.

Photo 6: Culvert located at the south end of the former fire suppression pond, facing south.

Photo 7: Representative potential roosting tree near the former fire suppression pond.

Photo 8: Bagley Creek, facing north toward the former log pond

Photo 9: Former log pond, facing east.

Photo 10: Former log pond, facing west.

Photo 11: Typical landscape within the former log pond.

Photo 12: Typical surface water within the former log pond.

Photo 13: Typical potential bat roosting habitat within, or adjacent to the former log pond.

Photo 14: Bagley Creek north of former log pond, facing south.

Photo 15: Bagley Creek north of former log pond.

Photo 16: Surface water of Bagley Creek north of former log pond.

Photo 17: Substrate of Bagley Creek north of former log pond.

Photo 18: Palustrine scrub-shrub wetland, facing east.

Photo 19: Palustrine emergent wetland facing north.

Photo 20: Palustrine emergent wetland facing north.

Photo 21: Culvert and swale, facing east.

Photo 22: Elk River facing east.

Tables:

Table 1 Subsurface Soil Sample Analytical Results Summary - Former Maintenance Building (Ecological)
Table 2 Subsurface Soil Sample Analytical Results Summary - Log Pond Perimeter (Ecological)
Table 3 Subsurface Soil Sample Analytical Results Summary- PCP In Groundwater and Potential UST (Ecological)
Table 4 Subsurface Soil Sample Analytical Results Summary - Former Transformer Location (Ecological)
Table 5 Subsurface Soil Sample Analytical Results Summary - Southern Wigwam Burner (Ecological)
Table 6 Subsurface Soil Sample Analytical Results Summary - Former Stud Mill and Vicinity (Ecological)
Table 7 Subsurface Soil Sample Analytical Results Summary - Potential Eastern Waste Disposal Area and UST Location (Ecological)
Table 8 Sediment Sample Analytical Results Summary - Former Log and Fire Suppression Ponds (Ecological)
Table 9 Surface Water Sample Analytical Results Summary - Former Log and Fire Suppression Ponds (Ecological)
Table 10 Groundwater Sample Analytical Results Summary (Ecological)
Table 11 Surface Soil Sample Analytical Results Summary – Incremental Sampling Method (Ecological)

Table 1 Subsurface Soil Sample Analytical Results Summary - Former Maintenance Building (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375600 SL01GP01 JLTQ0 0 - 4 ft	20375602 SL02GP01 JLTQ2 0 - 4 ft
		P	Inv	Birds	M		
Target Analyte List Metals (mg/kg)							
Aluminum	--	--	--	--	--	**35800**	**30600**
Arsenic	12	18	6.8	32	31	**3.7**	**3.6**
Barium	630	110	330	1200	8700	**39.5**	**33.9**
Beryllium	1.4	2.5	40	--	42	**0.74**	**0.65**
Calcium	--	--	--	--	--	184 JQ	**1430**
Chromium	890	--	--	73	1600	***78.7***	**71.1**
Cobalt	--	13	--	170	640	**7.6**	**10.2**
Copper	110	70	80	43	70	***46.7***	***68.9***
Iron	--	--	--	--	--	**42200**	**36800**
Lead	36	120	1700	23	170	**10.5**	**11.7**
Magnesium	--	--	--	--	--	**6380**	**9400**
Manganese	3000	220	450	2700	5400	**152**	***228***
Mercury	0.17	34	0.05	0.13	17	***0.14***	***0.14***
Nickel	630	38	280	81	21	***49.6***	***64.4***
Potassium	--	--	--	--	--	299 JQ	**458**
Vanadium	290	60	--	9.5	610	***70.4***	***64.1***
Zinc	140	160	120	120	980	**61.5**	**72.4**
Volatile Organic Compounds (µg/kg)		--	--	--	--		
Acetone	--			75000	6300	10 JQ	**69**

Notes:

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

Bold type indicates the sample result is above the sample quantitation limit.

Yellow shaded cell is used it to identify the highest Level II RBC for a given constituent.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
bgs = below ground surface
CLP = Contract Laboratory Program
CRQL = Contract Required Quanitation Limit
EPA = United States Environmental Protection Agency
ft = feet
ID = Identification.
Inv = Invertebrates
J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.
M = Mammals
ODEQ = Oregon Department of Environmental Quality
P = Plants
Q = Detected concentration is below the method reporting limit/CRQL.
RBC = Risk Based Concentration

Table 2 Subsurface Soil Sample Analytical Results Summary - Log Pond Perimeter (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375604 SL03TP01 JLTQ4 1 - 2 ft	20375605 SL03TP02 JLTQ5 5 - 6 ft	20375606 SL04TP01 JLTQ6 1 - 2 ft	20375644 SL23TP01 JLTW4 2 -3 ft	20375645 SL23TP02 JLTW5 9 - 10 ft	20375646 SL24TP01 JLTW6 3 - 4 ft	20375647 SL24TP02 JLTW7 8 - 9 ft	20375648 SL25TP01 JLTW8 2 -3 ft	20375649 SL25TP02 JLTW9 9 - 10 ft	20375650 SL26TP01 JLTX0 2 -3 ft	20375651 SL26TP02 JLTX1 6 - 7 ft	20375652 SL27TP01 JLTX2 7 - 8 ft
		P	Inv	Birds	M												
Dioxins/Furans (ng/kg)																	
1,2,3,4,6,7,8-HpCDD	--	--	--	1500	7	--	--	--	3.2 JQ	0.92 JQ	***220***	***100***	***400***	***140***	***59***	***90***	***11***
1,2,3,4,6,7,8-HpCDF	--	--	--	230	11	--	--	--	0.5 JQ	0.44 U	***59***	***21***	***89***	***24***	**8.3**	***16***	4.6 JQ
1,2,3,4,7,8-HxCDF	--	--	--	23	1.1	--	--	--	0.4 U	0.4 U	***5.9***	1.8 JQ	***12***	0.87 JQ	0.46 JQ	0.43 JQ	0.37 U
1,2,3,6,7,8-HxCDD	--	--	--	190	0.89	--	--	--	0.5 U	0.5 U	***11***	4.8 JQ	***20***	4.2 JQ	2.1 JQ	3.6 JQ	0.52 JQ
1,2,3,7,8,9-HxCDD	--	--	--	19	0.89	--	--	--	0.36 JQ	0.34 U	***5.2***	2.7 JQ	***14***	2.4 JQ	1.4 JQ	1.5 JQ	0.32 U
2,3,4,6,7,8-HxCDF	--	--	--	23	1.1	--	--	--	0.41 U	0.41 U	4.2 JQ	1.4 JQ	***6.5***	1.9 JQ	0.49 JQ	0.69 JQ	0.38 U
2,3,7,8-TCDD	--	--	--	5.2	0.25	--	--	--	0.084 U	0.096 U	***1.2***	0.82 JQ	***2.4***	0.24 JQ	0.22 JQ	0.098 U	0.092 U
OCDD	--	--	--	19000	300	--	--	--	**20**	5.7 JQ	***2400***	***920***	***4500*** **J**	***820***	***370***	***870***	**100**
OCDF	--	--	--	14000	220	--	--	--	1.4 JQ	0.87 U	**130**	**54**	**200**	**100**	**32**	**78**	**16**
TEQ (Bird)	--	--	--	5.2	--	--	--	--	**0.046 J**	**0.002 J**	**8.7 J**	**3.9 J**	**16 J**	**1.9 J**	**1.7 J**	**1.1 J**	**0.074 J**
TEQ (Fish)	--	--	--	--	--	--	--	--	**0.014 J**	**0.002 J**	**8 J**	**3.7 J**	**15 J**	**2.1 J**	**1.5 J**	**1.5 J**	**0.074 J**
TEQ (Mammal)	--	--	--	--	0.25	--	--	--	**0.079 J**	**0.011 J**	**10 J**	**4.8 J**	**20 J**	**3.8 J**	**2.1 J**	**2.5 J**	**0.24 J**
Target Analyte List Metals (mg/kg)																	
Aluminum	--	--	--	--	--	**17900**	**15000**	**20300**	**47200**	**35900**	**23400**	**23800**	**24600**	**25800**	**20500**	**31100**	**34800**
Arsenic	12	18	6.8	32	31	**2.6**	**2**	**1.8**	**5.1**	**3.7**	**3.5**	**4.6**	**3.3**	**4**	**3.1**	**3.4**	**3.2**
Barium	630	110	330	1200	8700	**73.2**	**50.7**	**54.6**	**45.7**	**48.1**	**89.2**	***414***	**86.2**	**79**	**84**	**54.1**	**45.1**
Beryllium	1.4	2.5	40	--	42	**0.61**	**0.54**	**0.6**	**0.84**	**0.76**	**0.68**	**0.61**	**0.7**	**0.74**	**0.66**	**0.77**	**0.64**
Calcium	--	--	--	--	--	**3910**	**3020**	**3460**	**1570**	**1140**	**5760**	**17600**	**4680**	**3190**	**4640**	**2590**	**1100**
Chromium	890	--	--	73	1600	**56.4**	**41.8**	**63.3**	***113***	***114***	**64.6**	**64.1**	**71.5**	***74.7***	***79.4***	***106***	**71.3**
Cobalt	--	13	--	170	640	***19***	**11.4**	***16.6***	**9.1**	***19.5***	***17***	***15.3***	***24***	**12.9**	***15.4***	***19.2***	**10.1**
Copper	110	70	80	43	70	***43.3***	**38.5**	***51.9***	***47.1***	***55.8***	***51.8***	***96***	***56.4***	***44***	**39.4**	***47.4***	**40.3**
Iron	--	--	--	--	--	**28000**	**23700**	**27100**	**54200**	**41400**	**34000**	**31700**	**33800**	**29800**	**31800**	**41000**	**35000**
Lead	36	120	1700	23	170	**11.1**	**5.7**	**7.6 J**	**13.2 J**	**8.2 J**	**10.8**	**15.3**	**12.6**	**8**	**17.3**	**9.2**	**8.2**
Magnesium	--	--	--	--	--	**9600**	**8280**	**11400**	**6120**	**17500**	**11600**	**10100**	**11100**	**8960**	**10400**	**14400**	**7520**
Manganese	3000	220	450	2700	5400	***616***	***292***	***400***	**188**	***411***	***527***	***969***	***666***	***287***	***519***	***472***	**193**
Mercury	0.17	34	0.05	0.13	17	0.11 U	0.11 U	0.11 U	***0.16***	***0.15***	0.11 U	0.12 U	***0.13***	0.21 U	***0.15***	***0.15***	0.11 U
Nickel	630	38	280	81	21	***66.2***	***50.8***	***77.9***	***71.8***	***137***	***81.7***	***86.5***	***88.5***	***84***	***87.8***	***122***	***61.6***
Potassium	--	--	--	--	--	405 JQ	**504**	**600**	452 U	442 JQ	**707**	**3470**	**615**	714 U	**572**	**612**	515 U
Sodium	--	--	--	--	--	434 U	481 U	37 JQ	452 U	484 U	73.6 JQ	**1680**	30 JQ	714 U	489 U	480 U	515 U
Vanadium	290	60	--	9.5	610	***54.1***	***44.1***	***48.3*** **J**	***106*** **J**	***67.5*** **J**	***66.6***	***55.4***	***65.9***	***66.4***	***61.6***	***71.7***	***66.8***
Zinc	140	160	120	120	980	**72.7**	**59.3**	**65.2**	**55.8**	**79.1**	**75.2**	**90.8**	**80.6**	**106**	**69.3**	**72.6**	**61.6**
Semivolatile Organic Compounds (µg/kg)																	
2-Methylnaphthalene	--	--	--	--	160000	1.9 JQ	**9.6**	3.1 JQ	4.4 U	4.1 U	0.77 JQ	0.55 JQ	0.8 JQ	6.3 U	2 JQ	0.55 JQ	4.1 U
Benzo(a)anthracene	--	18000	--	7300	34000	**6.7**	**22 J**	3.6 U	4.4 U	4.1 U	3.5 JQ	0.72 JQ	2.8 JQ	6.3 U	4 U	4.1 U	4.1 U
Benzo(b)fluoranthene	--	18000	--	--	440000	2.8 JQ	4 JQ	**5.2 J**	0.63 JQ	4.1 U	3.1 JQ	2.5 JQ	2.4 JQ	0.95 JQ	**4.9 J**	2.7 JQ	0.7 JQ
Benzo(k)fluoranthene	--	--	--	--	--	3.6 U	**20**	3.6 U	4.4 U	4.1 U	4 U	4.3 U	3.7 U	6.3 U	4 U	4.1 U	4.1 U
bis(2-Ethylhexyl)phthalate	--	--	--	200	6000	190 U	220 U	190 UJ	230 UJ	210 UJ	***5200*** **J**	220 UJ	200 UJ	330 UJ	210 UJ	210 UJ	210 UJ
Chrysene	--	--	--	--	31000	2.3 JQ	**14 J**	**3.6 J**	4.4 U	4.1 U	4 U	1.4 JQ	**3.9 J**	6.3 U	4 U	4.1 U	0.65 JQ
Fluoranthene	--	--	10000	--	220000	**5.3**	**51**	**6.6 J**	0.62 JQ	4.1 U	1.6 JQ	1.9 JQ	2.1 JQ	4.2 JQ	**7.8 J**	**7.9 J**	4.1 U
Fluorene	--	--	3700	--	510000	3.6 U	**7.5**	0.89 JQ	4.4 U	4.1 U	4 U	4.3 U	3.7 U	6.3 U	4 U	4.1 U	4.1 U

Table 2 Subsurface Soil Sample Analytical Results Summary - Log Pond Perimeter (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375604 SL03TP01 JLTQ4 1 - 2 ft	20375605 SL03TP02 JLTQ5 5 - 6 ft	20375606 SL04TP01 JLTQ6 1 - 2 ft	20375644 SL23TP01 JLTW4 2 -3 ft	20375645 SL23TP02 JLTW5 9 - 10 ft	20375646 SL24TP01 JLTW6 3 - 4 ft	20375647 SL24TP02 JLTW7 8 - 9 ft	20375648 SL25TP01 JLTW8 2 -3 ft	20375649 SL25TP02 JLTW9 9 - 10 ft	20375650 SL26TP01 JLTX0 2 -3 ft	20375651 SL26TP02 JLTX1 6 - 7 ft	20375652 SL27TP01 JLTX2 7 - 8 ft
		P	Inv	Birds	M												
Naphthalene	--	1000	--	34000	27000	1.7 JQ	**4.7**	2.5 JQ	4.4 U	4.1 U	4 U	4.3 U	0.97 JQ	6.3 U	2.5 JQ	1 JQ	4.1 U
Pentachlorophenol	--	5000	31000	3600	8100	7.3 U	**25**	7.4 U	8.9 U	8.3 U	8.2 U	8.6 U	7.6 U	13 U	8.1 U	8.3 U	8.3 U
Phenanthrene	--	--	5500	--	110000	**5.2**	**33**	**23**	0.57 JQ	4.1 U	**7.1**	**4.3**	**5.1**	3.8 JQ	**9.4**	2.9 JQ	1.1 JQ
Pyrene	--	--	10000	330000	230000	1.1 JQ	4.2 U	**5.7 J**	4.4 U	4.1 U	1.3 JQ	2 JQ	1.4 JQ	2.2 JQ	**7.1 J**	4.1 U	0.85 JQ
PAH TEQ		--	--	--	125000	**2.8**	**5.1**	**2.6**	**2.4**	**2.3**	**2.9**	**2.6**	**2.5**	**3.5**	**2.9**	**3.0**	**2.3**
Total Organic Carbon (mg/kg)																	
Total Organic Carbon	--	--	--	--	--	--	--	--	**20900**	--	--	--	--	--	--	--	--

Notes:

Bold type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

Yellow shaded cell with double underlined type designates value above highest Level II RBC for given constituent. Applies only to dioxin/furan TEQ values. The cell with the highest (or only) RBC for a given constituent has also been shaded yellow.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

M = Mammals

ODEQ = Oregon Department of Environmental Quality

P = Plants

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene as published in ODEQ 1998 Ecological Risk Assessment guidance

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for are compared to RBC for 2,3,7,8-TCDD. See Section 4.2 of TBA report for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

Table 3 Subsurface Soil Sample Analytical Results Summary- PCP In Groundwater and Potential UST (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (feet bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375608 SL05GP01 JLTQ8 0 - 4 ft	20375609 SL05GP02 JLTQ9 4 - 8 ft	20375610 SL06GP01 JLTR0 0 - 4 ft	20375611 SL06GP02 JLTR1 4 - 8 ft	20375612 SL07GP01 JLTR2 0 - 4 ft	20375613 SL07GP02 JLTR3 8 - 12 ft	20375614 SL08TP01 JLTR4 3 - 4 ft	20375615 SL08TP02 JLTR5 8 - 9 ft
		P	Inv	Birds	M								
Dioxins/Furans (ng/kg)													
1,2,3,4,6,7,8-HpCDD	--	--	--	1500	7	3.1 JQ	1.7 JQ	***620***	***29***	***46***	2.4 JQ	***750***	***7.1***
1,2,3,4,6,7,8-HpCDF	--	--	--	230	11	0.98 JQ	0.46 JQ	***140***	**6.9**	***12***	0.44 U	**240**	2.6 JQ
1,2,3,4,7,8,9-HpCDF	--	--	--	230	11	0.46 U	0.46 U	**9.9**	0.49 JQ	0.88 JQ	0.46 U	***18***	0.46 U
1,2,3,4,7,8-HxCDD	--	--	--	51	1.2	0.47 U	0.47 U	***6.9***	0.52 JQ	0.94 JQ	0.47 U	***6.6***	0.47 U
1,2,3,4,7,8-HxCDF	--	--	--	23	1.1	0.4 U	0.4 U	***13***	0.65 JQ	0.91 JQ	0.4 U	***14***	0.4 U
1,2,3,6,7,8-HxCDD	--	--	--	190	0.89	0.5 U	0.5 U	***33***	1.5 JQ	2.4 JQ	0.5 U	***30***	0.5 U
1,2,3,6,7,8-HxCDF	--	--	--	23	1.1	0.47 U	0.47 U	***6.2***	0.47 U	0.55 JQ	0.47 U	***6.7***	0.47 U
1,2,3,7,8,9-HxCDD	--	--	--	19	0.89	0.34 U	0.34 U	***10***	0.8 JQ	1.5 JQ	0.34 U	***9.3***	0.34 U
2,3,4,6,7,8-HxCDF	--	--	--	23	1.1	0.41 U	0.41 U	***9***	0.41 U	0.87 JQ	0.41 U	***11***	0.41 U
2,3,4,7,8-PeCDF	--	--	--	4.1	0.65	0.43 U	0.43 U	**7.4**	0.43 U	0.61 JQ	0.43 U	**6.2**	0.43 U
OCDD	--	--	--	19000	300	**39**	**18**	***5100***	**230**	***410***	**19**	***7400***	**70**
OCDF	--	--	--	14000	220	3.6 JQ	1.9 JQ	***410***	**20**	**33**	1.5 JQ	***830***	8.4 JQ
TEQ (Bird)	--	--	--	5.2	--	**0.017 J**	**0.0083 J**	**19 J**	**0.31 J**	**2.9 J**	**0.0045 J**	**19 J**	**0.041 J**
TEQ (Fish)	--	--	--	--	--	**0.017 J**	**0.0083 J**	**16 J**	**0.48 J**	**2.7 J**	**0.0045 J**	**17 J**	**0.041 J**
TEQ (Mammal)	--	--	--	--	0.25	**0.054 J**	**0.028 J**	**23 J**	**0.79 J**	**3 J**	**0.03 J**	**25 J**	**0.12 J**
Target Analyte List Metals (mg/kg)													
Aluminum	--	--	--	--	--	**42300**	**30000**	**26800**	**41400**	**21400**	**34000**	**35500**	**22100**
Arsenic	12	18	6.8	32	31	**2.8**	**2.2**	**3.4**	**4.8**	**3**	**2.3**	**3.2**	**5.2**
Barium	630	110	330	1200	8700	**59.4**	**62**	**66.4**	**43**	**78.9**	**41.9**	**51.4**	**20.1**
Beryllium	1.4	2.5	40	--	42	**0.93**	**0.76**	**0.82**	**0.8**	**0.69**	**0.99**	**0.7**	**0.76**
Calcium	--	--	--	--	--	**1840**	**4920**	**3290**	**1610**	**4040**	**3030**	**1890**	**2060**
Chromium	890	--	--	73	1600	***105***	***107***	***73.2***	***81.1***	**59.3**	**71.8**	***77.2***	**70**
Cobalt	--	13	--	170	640	**12.7**	***13***	***15.4***	**10**	***20.3***	***18.2***	**10.1**	***16.2***
Copper	110	70	80	43	70	***45***	**40.2**	***45.4***	**37.9**	***47.8***	***51.8***	**40.9**	**41.2**
Iron	--	--	--	--	--	**57900**	**41600**	**41900**	**46200**	**31400**	**50300**	**39400**	**42300**
Lead	36	120	1700	23	170	**11.9**	**9**	***25.2***	**8.3**	**11.1**	**7.9**	**11.5**	**6.2**
Magnesium	--	--	--	--	--	**9000**	**11600**	**9620**	**9280**	**9970**	**13500**	**7750**	**11000**
Manganese	3000	220	450	2700	5400	**193**	***261***	***423***	***253***	***648***	***313***	***250***	***287***
Mercury	0.17	34	0.05	0.13	17	***0.23***	0.11 U	0.12 U	***0.15***	0.11 U	***0.12***	***0.17***	0.11 U
Nickel	630	38	280	81	21	***79.8***	***89***	***67.8***	***63.9***	***72.3***	***96.9***	***53.5***	***92.7***
Potassium	--	--	--	--	--	576 U	346 JQ	486 JQ	**507**	**657**	**745**	309 JQ	433 U
Silver	0.16	560	--	26	140	0.92 JQ	**1.3 J**	0.51 JQ	0.7 JQ	0.38 JQ	0.62 JQ	0.46 JQ	0.56 JQ
Vanadium	290	60	--	9.5	610	***101***	***88.7***	***73***	***74.8***	***61.2***	***66***	***75.3***	***51.9*** **J**
Zinc	140	160	120	120	980	**73.6**	**66.1**	***161***	**72.6**	**70.8**	**79.7**	**76.4**	**56.7**
Semivolatile Organic Compounds (µg/kg)													
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	240 U	230 U	200 U	210 U	180 U	R	210 U	190 U
2-Methylnaphthalene	--	--	--	--	160000	0.5 JQ	0.91 JQ	**5.2**	0.46 JQ	2.7 JQ	0.51 JQ	2 JQ	3.6 U
Benzo(a)anthracene	--	18000	--	7300	34000	4.6 U	4.4 U	1.6 JQ	4.1 U	**13 J**	3.7 U	4 JQ	3.6 U
Benzo(b)fluoranthene	--	18000	--	--	440000	4.6 U	0.56 JQ	**4.6**	0.66 JQ	**7.3**	0.95 JQ	1.8 JQ	3.6 U
Chrysene	--	--	--	--	31000	4.6 U	0.59 JQ	**7.3**	0.62 JQ	**3.9 J**	0.82 JQ	1.8 JQ	3.6 U

Table 3 Subsurface Soil Sample Analytical Results Summary- PCP In Groundwater and Potential UST (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (feet bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375608 SL05GP01 JLTQ8 0 - 4 ft	20375609 SL05GP02 JLTQ9 4 - 8 ft	20375610 SL06GP01 JLTR0 0 - 4 ft	20375611 SL06GP02 JLTR1 4 - 8 ft	20375612 SL07GP01 JLTR2 0 - 4 ft	20375613 SL07GP02 JLTR3 8 - 12 ft	20375614 SL08TP01 JLTR4 3 - 4 ft	20375615 SL08TP02 JLTR5 8 - 9 ft
		P	Inv	Birds	M								
Fluoranthene	--	--	10000	--	220000	4.6 U	4.4 U	3.8 U	4.1 U	**4.4**	0.56 JQ	2.4 JQ	3.6 U
Pentachlorophenol	--	5000	31000	3600	8100	9.3 U	8.9 U	7.7 U	8.2 U	7.3 U	7.6 U	**27**	7.3 U
Phenanthrene	--	--	5500	--	110000	0.64 JQ	1.5 JQ	**12**	1.3 JQ	**13**	1.6 JQ	**5.5**	0.37 JQ
PAH TEQ		--	--	--	125000	**2.5**	**2.4**	**2.7**	**2.3**	**3.9**	**2.1**	**2.7**	**2.0**
Volatile Organic Compounds (µg/kg)													
Acetone	--	--	--	75000	6300	**39**	**40**	**14**	6.2 JQ	**100**	**56**	12 JQ	**29**
Benzene	--	--	--	--	240000	7 U	1.3 JQ	6.9 U	0.98 JQ	**24**	1.3 JQ	4.4 JQ	6.6 U
Methyl acetate	--	--	--	--	--	7 U	6.3 U	6.9 U	6.3 U	11 U	**7**	13 U	2.4 JQ
Total Petroleum Hydrocarbons (mg/kg)		--	--	--	--								
Diesel Range Organics	--	260	260	6000	6000	55 U	51 U	***270***	50 U	46 U	47 U	45 U	45 U
Motor Oil Range Organics	--	260	260	6000	6000	140 U	130 U	**150**	120 U	110 U	120 U	110 U	110 U
Total Organic Carbon (mg/kg)													
Total Organic Carbon	--	--	--	--	--	**6820**	--	--	--	--	--	--	--

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals. background level. The cell with the lowest RBC for a given constituent has also been shaded green.

161 Diagonal hatching added to green shaded to cell to indicate value is also above regional background metals value.

19 Yellow shaded cell with double underlined type designates value above highest (or only for dioxin/furan TEQ) Level II RBC for given contituent. The cell with the highest (or only) RBC for a given constituent has also been shaded yellow.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

M = Mammals

ODEQ = Oregon Department of Environmental Quality

P = Plants

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene as published in ODEQ 1998 Ecological Risk Assessment guidance

Q = Detected concentration is below the method reporting limit/CRQL.

R = Rejected, data is not usable for any purpose

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for are compared to RBC for 2,3,7,8-TCDD.
See Section 4.2 of TBA report for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

Table 4 Subsurface Soil Sample Analytical Results Summary - Former Transformer Location (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375616 SL09GP01 JLTR6 0 - 4 ft	20375618 SL10GP01 JLTR8 4 - 8 ft
		P	Inv	Birds	M		
Target Analyte List Metals (mg/kg)							
Aluminum	--	--	--	--	--	**23000**	**26200**
Arsenic	12	18	6.8	32	31	**3.8**	**3.8**
Barium	630	110	330	1200	8700	**78.8**	**60.1**
Beryllium	1.4	2.5	40	--	42	**0.74**	**0.86**
Calcium	--	--	--	--	--	**3800**	**8460**
Chromium	890	--	--	73	1600	**65.2**	***77.1***
Cobalt	--	13	--	170	640	***33.6***	***25.8***
Copper	110	70	80	43	70	***58.5***	***48.7***
Iron	--	--	--	--	--	**36400**	**45600**
Lead	36	120	1700	23	170	**13.4 J**	**9.1 J**
Magnesium	--	--	--	--	--	**11800**	**12300**
Manganese	3000	220	450	2700	5400	***827***	***521***
Nickel	630	38	280	81	21	***86.5***	***123***
Potassium	--	--	--	--	--	**519**	**596**
Silver	0.16	560	--	26	140	**0.96**	**1**
Vanadium	290	60	--	9.5	610	***72.7*** **J**	***63.7*** **J**
Zinc	140	160	120	120	980	**97.6**	**75.8**
Semivolatile Organic Compounds (µg/kg)							
2-Methylnaphthalene	--	--	--	--	160000	**11 J**	1.9 JQ
Anthracene	--	6800	--	--	2E+06	3.7 U	**4.2 J**
Benzo(a)anthracene	--	18000	--	7300	34000	**29 J**	2.5 JQ
Benzo(b)fluoranthene	--	18000	--	--	440000	**12**	**4.1**
Chrysene	--	--	--	--	31000	3.7 U	**5.2**
Fluoranthene	--	--	10000	--	220000	**4.4**	3.3 JQ
Naphthalene	--	1000	--	34000	27000	**7.1 J**	2.9 JQ
Phenanthrene	--	--	5500	--	110000	**23 J**	**3.9 J**
PAH TEQ		--	--	--	125000	**6.1**	**2.7**
Total Petroleum Hydrocarbons (mg/kg)							
Motor Oil Range Organics	--	260	260	6000	6000	**160**	110 U

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

Yellow shaded cell is used it to identify the highest Level II RBC for a given constituent.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

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bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

M = Mammals

ODEQ = Oregon Department of Environmental Quality

P = Plants

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene as published in ODEQ 1998 Ecological Risk Assessment guidance

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

Table 5 Subsurface Soil Sample Analytical Results Summary - Southern Wigwam Burner (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375626 SL14GP01 JLTS6 0 - 4 ft	20375627 SL14GP02 JLTS7 12 - 6 ft	20375628 SL15GP01 JLTS8 0 - 4 ft	20375629 SL15GP02 JLTS9 12 - 16 ft	20375630 SL16TP01 JLTT0 10 - 12 in	20375631 SL16TP02 JLTT1 13 - 18 in	20375663 SL16TP03 JLTY3 18 - 36 in	20375664 SL16TP04 JLTY4 48 - 60 in	20375632 SL17GP01 JLTT2 0 - 4 ft	20375633 SL17GP02 JLTT3 20 - 24 ft	20375634 SL18GP01 JLTT4 0 - 4 ft	20375635 SL18GP02 JLTT5 12 - 16 ft	20375619 OP02TP01 JLTR9 1 - 2 ft
		P	Inv	Birds	M													
Dioxins/Furans (ng/kg)																		
1,2,3,4,6,7,8-HpCDD	--	--	--	1500	7	***30***	3.5 JQ	***69***	0.67 JQ	***82***	***34***	1.3 JQ	0.46 U	***13***	0.48 JQ	***53***	0.45 U	***72***
1,2,3,4,6,7,8-HpCDF	--	--	--	230	11	**8.2**	0.85 JQ	**5.5**	0.44 U	**6.3**	4.7 JQ	0.44 U	0.44 U	3.1 JQ	0.43 U	**8.1**	0.44 U	**8**
1,2,3,4,7,8-HxCDD	--	--	--	51	1.2	0.89 JQ	0.47 U	1.7 JQ	0.47 U	1.3 JQ	0.64 JQ	0.47 U	0.47 U	0.47 U	0.46 U	0.68 JQ	0.47 U	***5.5***
1,2,3,6,7,8-HxCDD	--	--	--	190	0.89	1.5 JQ	0.5 U	3.3 JQ	0.5 U	3.7 JQ	1.7 JQ	0.5 U	0.5 U	0.77 JQ	0.49 U	2.2 JQ	0.5 U	***11***
1,2,3,7,8,9-HxCDD	--	--	--	19	0.89	1.1 JQ	0.34 U	2.9 JQ	0.34 U	2.7 JQ	1.1 JQ	0.34 U	0.34 U	0.48 JQ	0.34 U	1.4 JQ	0.34 U	***15***
1,2,3,7,8-PeCDD	--	--	--	5.9	0.28	0.35 U	0.35 U	0.94 JQ	0.35 U	0.92 JQ	0.39 JQ	0.35 U	0.35 U	0.35 U	0.35 U	0.41 JQ	0.35 U	**7.9**
2,3,7,8-TCDD	--	--	5	5.2	0.25	0.18 JQ	0.09 U	0.26 JQ	0.084 U	0.25 JQ	0.15 JQ	0.11 U	0.12 U	0.084 U	0.083 U	0.2 JQ	0.084 U	***3.3***
2,3,7,8-TCDF	--	--	--	6.4	3	0.16 JQ	0.11 U	0.11 U	0.11 U	0.15 JQ	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.39 JQ	0.11 U	0.75 JQ
OCDD	--	--	--	19000	300	**250**	**31**	***350***	3.9 JQ	***450***	**220**	7.2 JQ	3.1 JQ	**100**	4.5 JQ	***490***	4.3 JQ	**200**
OCDF	--	--	--	14000	220	**23**	2.6 JQ	**20**	0.87 U	**26**	**17**	0.87 U	0.87 U	9 JQ	0.86 U	**25**	0.87 U	9.4 JQ
TEQ (Bird)	--	--	--	5.2	--	**0.79 J**	**0.015 J**	**1.8 J**	**0.001 J**	**2.1 J**	**0.85 J**	**0.002 J**	**3E-04 J**	**0.11 J**	**9E-04 J**	**2.2 J**	**4E-04 J**	**16 J**
TEQ (Fish)	--	--	--	--	--	**0.95 J**	**0.015 J**	**2.3 J**	**0.001 J**	**2.2 J**	**1 J**	**0.002 J**	**3E-04 J**	**0.067 J**	**9E-04 J**	**1.7 J**	**4E-04 J**	**16 J**
TEQ (Mammal)	--	--	--	--	0.25	**1.2 J**	**0.054 J**	**2.9 J**	**0.008 J**	**3.1 J**	**1.4 J**	**0.015 J**	**9E-04 J**	**0.32 J**	**0.006 J**	**2.2 J**	**0.001 J**	**16 J**
Target Analyte List Metals (mg/kg)																		
Aluminum	--	--	--	--	--	**18100**	**34700**	**36400**	**23200**	**17400**	**27100**	**35200**	**35200**	**27100**	**16200**	**24000**	**33800**	**24200**
Antimony	0.59	11	78	--	2.7	0.9 U	0.9 U	0.96 U	0.79 U	**1.2 J**	***4.4*** **J**	1 UJ	0.91 UJ	0.86 U	0.8 U	0.62 JQ	0.11 JQ	0.9 U
Arsenic	12	18	6.8	32	31	**2.9**	**4.9**	**3.8**	**1.6**	**3.9**	***8.6***	**1.8**	**3.4**	**3.5**	**2.1**	**3.9**	**2.9**	**3.4**
Barium	630	110	330	1200	8700	**108**	**58.3**	**44.8**	**31.3**	***668***	***922***	**71.4**	**39.1**	**106**	**37.6**	**77**	**43.8**	***142***
Beryllium	1.4	2.5	40	--	42	**0.56**	**0.68**	**0.78**	**0.79**	0.4 JQ	**0.48**	**0.81**	**0.86**	**0.85**	**0.49**	**0.62**	**0.7**	**0.6**
Calcium	--	--	--	--	--	**5980**	**1180**	**1850**	**1390**	**54000**	**58200**	**4010**	**2070**	**2790**	**4760**	**4330**	**1060**	**6220**
Chromium	890	--	--	73	1600	**59.1**	***97.6***	***114***	**64.8**	**40**	**37**	***109***	***98.2***	***76.6***	**57.7**	**65.2**	***146***	**70.5**
Cobalt	--	13	--	170	640	***15.4***	**12.8**	***17.7***	***26.2***	**7.1**	**6.2**	**9**	***13.4***	***16.4***	**12.4**	**12.5**	***16.9***	***17***
Copper	110	70	80	43	70	***52.5***	**40.8**	***54.2***	***64.4***	**123**	**88.5**	**30.8**	***56.4***	***46.2***	***55.4***	***61.6***	***44.8***	***73.7***
Iron	--	--	--	--	--	**27800**	**35500**	**43400**	**34500**	**19000**	**19900**	**48100**	**47400**	**35200**	**26200**	**32400**	**37300**	**30900**
Lead	36	120	1700	23	170	**14.5 J**	**9.1 J**	**10.3 J**	**5.8 J**	**9.2**	**18.1**	**9.1**	**9.4**	**11 J**	**3.6 J**	**18.5**	**8.2**	**25.4 J**
Magnesium	--	--	--	--	--	**10800**	**5440**	**12900**	**13700**	**4970**	**5950**	**4430**	**13100**	**9220**	**12700**	**10600**	**12800**	**9600**
Manganese	3000	220	450	2700	5400	**529**	**214**	**377**	**446**	**1110**	**1630**	**234**	**373**	**507**	**314**	**414**	**283**	**744**
Mercury	0.17	34	0.05	0.13	17	0.11 U	**0.17**	0.12 U	0.097 U	0.13 U	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.12 U	***0.21***	0.1 U
Nickel	630	38	280	81	21	**67.5**	**94.7**	**123**	**175**	**45.3**	**34.5**	**66.1**	**105**	**85.3**	**72.2**	**88.1**	**152**	**78**
Potassium	--	--	--	--	--	**945**	232 JQ	329 JQ	**506**	**3830**	**5370**	**1670**	**633**	**625**	**468**	**754**	470 U	**2570**
Silver	0.16	560	--	26	140	0.78 JQ	**0.94**	**1**	**0.82**	0.33 JQ	0.38 JQ	0.6 JQ	0.46 JQ	**0.94**	0.64 JQ	0.51 JQ	0.54 JQ	0.84 JQ
Sodium	--	--	--	--	--	**481**	57.7 JQ	31.4 JQ	29.5 JQ	**2310**	**4190**	494 JQ	34.7 JQ	244 JQ	63.8 JQ	**653**	36.5 JQ	362 JQ
Vanadium	290	60	--	9.5	610	**51.3 J**	**88.6 J**	**77.8 J**	**35.9 J**	**36**	**60**	**75.9**	**76.3 J**	**64.7 J**	**32.1 J**	**70.7**	**66.7 J**	**58 J**
Zinc	140	160	120	120	980	**104**	**55.1**	**74.7**	**63.3**	**92.6**	**108**	**45.1**	**73**	**86.8**	**48.2**	**73.6**	**69**	***171***
Semivolatile Organic Compounds (µg/kg)																		
2-Methylnaphthalene	--	--	--	--	160000	37 U	0.57 JQ	4.1 U	3.7 U	4.4 U	4.1 U	4.6 U	4 U	2.1 JQ	1.6 JQ	**4.5**	4.3 U	1.2 JQ
Benzo(b)fluoranthene	--	18000	--	--	440000	37 U	0.5 JQ	4.1 U	3.7 U	4.4 UJ	4.1 U	4.6 U	4 U	0.45 JQ	0.69 JQ	1.7 JQ	4.3 U	**7.8 J**
Chrysene	--	--	--	--	31000	37 U	4.1 U	4.1 U	3.7 U	4.4 UJ	0.53 JQ	4.6 U	4 U	1.3 JQ	0.61 JQ	0.8 JQ	4.3 U	**9.5 J**
Fluoranthene	--	--	10000	--	220000	37 U	**10**	4.1 U	3.7 U	4.4 UJ	0.5 JQ	4.6 U	0.55 JQ	**3.7**	0.66 JQ	**24**	4.3 U	**8.8 J**
Naphthalene	--	1000	--	34000	27000	37 U	4.1 U	4.1 U	3.7 U	2.1 JQ	4.1 U	4.6 U	4 U	2.2 JQ	0.9 JQ	**4.4**	4.3 U	2.6 JQ
Phenanthrene	--	--	5500	--	110000	9.8 JQ	1.5 JQ	0.59 JQ	3.7 U	1.6 JQ	0.83 JQ	4.6 U	0.49 JQ	**5.1**	**4.6**	**7.1**	4.3 U	**14**
Pyrene	--	--	10000	330000	230000	37 U	4.1 U	4.1 U	3.7 U	4.4 UJ	4.1 U	4.6 U	4 U	2.4 JQ	3.5 U	2.7 JQ	4.3 U	**7.5 J**

Table 5 Subsurface Soil Sample Analytical Results Summary - Southern Wigwam Burner (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375626 SL14GP01 JLTS6 0 - 4 ft	20375627 SL14GP02 JLTS7 12 - 6 ft	20375628 SL15GP01 JLTS8 0 - 4 ft	20375629 SL15GP02 JLTS9 12 - 16 ft	20375630 SL16TP01 JLTT0 10 - 12 in	20375631 SL16TP02 JLTT1 13 - 18 in	20375663 SL16TP03 JLTY3 18 - 36 in	20375664 SL16TP04 JLTY4 48 - 60 in	20375632 SL17GP01 JLTT2 0 - 4 ft	20375633 SL17GP02 JLTT3 20 - 24 ft	20375634 SL18GP01 JLTT4 0 - 4 ft	20375635 SL18GP02 JLTT5 12 - 16 ft	20375619 OP02TP01 JLTR9 1 - 2 ft
		P	Inv	Birds	M													
PAH TEQ		--	--	--	125000	**20.9**	**2.3**	**2.3**	**2.1**	**2.4**	**2.3**	**2.5**	**2.2**	**2.1**	**2.0**	**2.2**	**2.4**	**4.7**
Volatile Organic Compounds (µg/kg)																		
2-Butanone	--	--	--	--	920000	10 JQ	**19**	15 U	11 U	41 UJ	22 U	15 U	31 U	5.5 JQ	10 U	13 U	12 U	--
Acetone	--	--	--	75000	6300	**88**	**96**	8.6 JQ	4 JQ	**320 J**	**53**	**41**	13 JQ	**78**	8.7 JQ	13 U	12 U	--
Benzene	--	--	--	--	240000	**10**	0.96 JQ	5.4 JQ	5.6 U	**74 J**	5.9 JQ	1.3 JQ	16 U	7.5 JQ	5.2 U	3.8 JQ	5.9 U	--
Ethylbenzene	--	--	--	--	--	**13**	6.1 U	7.6 U	5.6 U	20 U	11 U	7.3 U	16 U	7.9 U	5.2 U	6.4 U	5.9 U	--
m, p-Xylene	--	--	--	--	--	**9.5**	6.1 U	1.2 JQ	5.6 U	20 U	11 U	7.3 U	16 U	1.3 JQ	5.2 U	6.4 U	5.9 U	--
Methyl acetate	--	--	--	--	--	9 JQ	6.1 U	**16**	5.6 U	20 UJ	11 U	4.2 JQ	16 U	7.9 U	5.2 U	6.4 U	5.9 U	--
Toluene	--	200000	--	--	230000	**13**	6.1 U	2.5 JQ	5.6 U	5.7 JQ	11 U	7.3 U	16 U	2.7 JQ	5.2 U	6.4 U	5.9 U	--
Total Petroleum Hydrocarbons (mg/kg)																		
Motor Oil Range Organics	--	260	260	6000	6000	**220**	130 U	120 U	110 U	130 U	130 U	140 U	120 U	120 U	110 U	120 U	130 U	--
Total Organic Carbon (mg/kg)																		
Total Organic Carbon	--	--	--	--	--	**48200**	--	--	--	--	--	--	--	--	--	--	--	--

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

19 Yellow shaded cell with double underlined type designates value above highest (or only for dioxin/furan TEQ) Level II RBC for given contituent. The cell with the highest (or only) RBC for a given constituent has also been shaded yellow.

161 **123** Diagonal hatching added to green and/or yellow shaded to cell to indicate value is also above regional background metals value.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

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EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

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PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene as published in ODEQ 1998 Ecological Risk Assessment guidance

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for are compared to RBC for 2,3,7,8-TCDD. See Section 4.2 of TBA report for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

Table 6 Subsurface Soil Sample Analytical Results Summary - Former Stud Mill and Vicinity (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375636 SL19TP01 JLTT6 3 - 4 ft	20375637 SL19TP02 JLTT7 6 - 7 ft	20375638 SL20GP01 JLTT8 0 - 4 ft	20375640 SL21GP01 JLTW0 0 - 4 ft	20375642 SL22GP01 JLTW2 0 - 4 ft
		P	Inv	Birds	M					
Dioxins/Furans (ng/kg)										
1,2,3,4,6,7,8-HpCDD	--	--	--	1500	7	***960***	4.6 JQ	***450***	***70***	***55***
1,2,3,4,6,7,8-HpCDF	--	--	--	230	11	***170***	0.6 JQ	***55***	***13***	**7.3**
1,2,3,4,7,8,9-HpCDF	--	--	--	230	11	**9.5**	0.46 U	3.5 JQ	0.95 JQ	0.5 JQ
1,2,3,4,7,8-HxCDD	--	--	--	51	1.2	***7.1***	0.47 U	3.7 JQ	1 JQ	0.66 JQ
1,2,3,4,7,8-HxCDF	--	--	--	23	1.1	***7.8***	0.4 U	2.9 JQ	1 JQ	0.47 JQ
1,2,3,6,7,8-HxCDD	--	--	--	190	0.89	***25***	0.5 U	***13***	3 JQ	2.3 JQ
1,2,3,7,8,9-HxCDD	--	--	--	19	0.89	***13***	0.34 U	***7.3***	1.9 JQ	1.8 JQ
2,3,4,6,7,8-HxCDF	--	--	--	23	1.1	***6.7***	0.41 U	2.7 JQ	0.8 JQ	0.61 JQ
2,3,7,8-TCDD	--	--	5	5.2	0.25	***2.7***	0.12 U	0.84 JQ	0.23 JQ	0.28 JQ
2,3,7,8-TCDF	--	--	--	6.4	3	**1.4**	0.11 U	0.45 JQ	0.2 JQ	0.13 U
OCDD	--	--	--	19000	300	***9800*** **J**	**44**	***4700*** **J**	***680***	***410***
OCDF	--	--	--	14000	220	***580***	3.1 JQ	***220***	**41**	**29**
TEQ (Bird)	--	--	--	5.2	--	**19** **J**	**0.015 J**	**8.2** **J**	**2.4 J**	**1.2 J**
TEQ (Fish)	--	--	--	--	--	**18 J**	**0.015 J**	**8.2 J**	**2.3 J**	**1.3 J**
TEQ (Mammal)	--	--	--	--	0.25	**29** **J**	**0.066 J**	**13** **J**	**3** **J**	**2** **J**
Target Analyte List Metals (mg/kg)										
Aluminum	--	--	--	--	--	**20300**	**32300**	**27600**	**32200**	**37600**
Arsenic	12	18	6.8	32	31	**4**	**3.3**	**3.9**	**3**	**4.5**
Barium	630	110	330	1200	8700	**74.8**	**40.8**	**66.9**	**42.3**	**56.3**
Beryllium	1.4	2.5	40	--	42	**0.65**	**0.66**	**0.65**	**0.69**	**0.82**
Calcium	--	--	--	--	--	**5470**	**2030**	**3450**	**2480**	**3290**
Chromium	890	--	--	73	1600	**65.9**	**65.6**	***82.7***	***82.1***	***107***
Cobalt	--	13	--	170	640	***14.7***	**9.4**	**10.7**	***13.3***	***14.6***
Copper	110	70	80	43	70	**89.7**	**38.4**	***70.3***	***49.8***	***53.7***
Iron	--	--	--	--	--	**33100**	**39000**	**38300**	**37400**	**47900**
Lead	36	120	1700	23	170	***42.8***	**8**	***26*** **J**	**12.5**	**11.8**
Magnesium	--	--	--	--	--	**8980**	**8150**	**6760**	**10600**	**9950**
Manganese	3000	220	450	2700	5400	***483***	***234***	***308***	***346***	***380***
Mercury	0.17	34	0.05	0.13	17	***0.12***	***0.13***	***0.14***	***0.14***	***0.16***
Nickel	630	38	280	81	21	***73.8***	***61.8***	***61.3***	***98.3***	***96.5***
Potassium	--	--	--	--	--	**488**	**572**	377 JQ	**464**	**574**
Silver	0.16	560	--	26	140	0.43 JQ	0.53 JQ	**0.98**	0.54 JQ	0.71 JQ
Vanadium	290	60	--	9.5	610	***56.5***	***63.1***	***72.1*** **J**	***70.6***	***90.3***
Zinc	140	160	120	120	980	***255***	**68.3**	***169***	**74.9**	**73.7**
Semivolatile Organic Compounds (µg/kg)										
2-Methylnaphthalene	--	--	--	--	160000	**5.4**	4 U	2.2 JQ	0.64 JQ	0.52 JQ
Benzo(a)pyrene	--	--	--	--	190000	**4.3**	4 U	4.1 U	4 U	4.2 U
Benzo(b)fluoranthene	--	18000	--	--	440000	**8.2**	4 U	2.6 JQ	4 U	4.2 U
Benzo(g,h,i)perylene	--	--	--	--	250000	**7.9**	4 U	4.1 U	4 U	4.2 U
Chrysene	--	--	--	--	31000	**5**	4 U	1.5 JQ	0.69 JQ	0.49 JQ

Table 6 Subsurface Soil Sample Analytical Results Summary - Former Stud Mill and Vicinity (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375636 SL19TP01 JLTT6 3 - 4 ft	20375637 SL19TP02 JLTT7 6 - 7 ft	20375638 SL20GP01 JLTT8 0 - 4 ft	20375640 SL21GP01 JLTW0 0 - 4 ft	20375642 SL22GP01 JLTW2 0 - 4 ft
		P	Inv	Birds	M					
Fluoranthene	--	--	10000	--	220000	**12**	4 U	**4.9**	1 JQ	1.7 JQ
Naphthalene	--	1000	--	34000	27000	**4.8**	0.83 JQ	2.4 JQ	0.84 JQ	4.2 U
Pentachlorophenol	--	5000	31000	3600	8100	**17**	8.2 U	2.8 JQ	8.1 U	8.5 U
Phenanthrene	--	--	5500	--	110000	**16**	0.43 JQ	**4.4**	1.8 JQ	1.5 JQ
Pyrene	--	--	10000	330000	230000	**4.7**	4 U	3.8 JQ	4 U	4.2 U
PAH TEQ		--	--	--	125000	**7.2**	**2.2**	**2.5**	**2.2**	**2.4**
Volatile Organic Compounds (µg/kg)		--	--	--	--					
Acetone	--	--	--	75000	6300	**56**	**47**	**29**	8 JQ	12 JQ
Total Organic Carbon (mg/kg)										
Total Organic Carbon	--	--	--	--	--	**--**	**--**	**35600**	**--**	**--**

Notes:

Bold type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

161 Diagonal hatching added to green shaded to cell to indicate value is also above regional background metals value.

19 Yellow shaded cell with double underlined type designates value above highest (or only for dioxin/furan TEQ) Level II RBC for given contituent. The cell with the highest (or only) RBC for a given constituent has also been shaded yellow.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

M = Mammals

ODEQ = Oregon Department of Environmental Quality

P = Plants

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene as published in ODEQ 1998 Ecological Risk Assessment guidance

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for are compared to RBC for 2,3,7,8-TCDD. See Section 4.2 of TBA report for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

Table 7 Subsurface Soil Sample Analytical Results Summary - Potential Eastern Waste Disposal Area and UST Location (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375620 SL11TP01 JLTS0 3 - 4 ft	20375621 SL11TP02 JLTS1 6 - 7 ft	20375622 SL12TP01 JLTS2 3 - 4 ft	20375623 SL12TP02 JLTS3 7 - 8 ft	20375624 SL13TP01 JLTS4 1 - 2 ft	20375625 SL13TP02 JLTS5 4 - 5 ft	20375665 OP01TP01 JLTY5 4 - 5 ft	20375666 OP01TP02 JLTY6 6 - 7 ft	20375617 OP01TP03 JLTR7 7 - 7.5 ft	20385601 OP01GP01 JLTQ1 4 - 8 ft
		P	Inv	Birds	M										
Target Analyte List Metals (mg/kg)															
Aluminum	--	--	--	--	--	**16300**	**27200**	**17900**	**14300**	**35000**	**39900**	**24100**	**31900**	**20600**	**24500**
Antimony	0.59	11	78	--	2.7	***5.5***	0.81 U	0.75 U	0.9 U	0.15 JQ	0.12 JQ	0.96 UJ	0.99 UJ	0.13 JQ	0.11 JQ
Arsenic	12	18	6.8	32	31	***8***	**2.8**	**2**	**1.4**	**3.5**	**3.5**	**3**	**3.4**	**2.2**	**3.2**
Barium	630	110	330	1200	8700	***267***	**49.7**	**37.8**	**30.4**	**27.9**	**57.2**	**80**	**73**	**28.8**	**36.4**
Beryllium	1.4	2.5	40	--	42	**0.71**	**0.72**	**0.54**	0.41 JQ	**0.69**	**0.88**	**0.6**	**0.66**	**0.61**	**0.73**
Cadmium	0.52	32	140	1.6	3.6	0.076 JQ	0.42 U	0.37 U	0.44 U	0.53 U	0.48 U	**0.57**	0.32 JQ	0.49 U	0.41 U
Calcium	--	--	--	--	--	**9530**	**2400**	**4130**	**3430**	**2010**	**2380**	**2420**	**2030**	**2270**	**2320**
Chromium	890	--	--	73	1600	**53.7**	***81.9***	**72.9**	**61.3**	***122***	***139***	**67.5**	***86.3***	***81.1***	***102***
Cobalt	--	13	--	170	640	**9.7**	***21.9***	***13.9***	**9.7**	***15.6***	***22.7***	***17.5***	**11.4**	***14.4***	***13.9***
Copper	110	70	80	43	70	**343**	***54.6***	**42.7**	**34**	***49.7***	***59.7***	**37**	***43.2***	**39.3**	***47.7***
Iron	--	--	--	--	--	**50000**	**38000**	**27900**	**20900**	**39600**	**46800**	**22800**	**26600**	**25400**	**33000**
Lead	36	120	1700	23	170	***104*** **J**	**20.2 J**	**5 J**	**3.8 J**	**7.5**	**8.7**	**16.8**	***24.5***	**7.5**	**6.9**
Magnesium	--	--	--	--	--	**5840**	**11500**	**14100**	**10900**	**14500**	**19400**	**6780**	**7450**	**11700**	**14200**
Manganese	3000	220	450	2700	5400	***508***	***492***	***341***	**215**	***278***	***373***	***267***	***231***	***271***	***325***
Mercury	0.17	34	0.05	0.13	17	0.14 U	0.1 U	0.09 U	0.11 U	***0.19***	***0.16***	***0.17***	***0.15***	0.13 U	***0.12***
Nickel	630	38	280	81	21	***60.4***	***192***	***84.1***	***65.9***	***152***	***190***	***67.3***	***82.4***	***144***	***133***
Potassium	--	--	--	--	--	**1680**	**422**	**412**	351 JQ	528 U	482 U	492 U	526 U	488 U	**443**
Silver	0.16	560	--	26	140	**1.4**	**0.9**	0.69 JQ	0.53 JQ	0.51 JQ	0.6 JQ	0.98 U	1.1 U	0.37 JQ	0.36 JQ
Sodium	--	--	--	--	--	**1910**	175 JQ	40.9 JQ	48 JQ	528 U	32 JQ	492 U	58.9 JQ	30.3 JQ	30.1 JQ
Vanadium	290	60	--	9.5	610	***46.1*** **J**	***46.7*** **J**	***37.6*** **J**	***28.6*** **J**	***72.2*** **J**	***87.7***	***62.9***	***78.8***	***44***	***65.2***
Zinc	140	160	120	120	980	***304***	**80.3**	**57.8**	**46.2**	**60.8**	**77.9**	**92.1**	**113**	**59.5**	**65.9**
Semivolatile Organic Compounds (µg/kg)															
2-Methylnaphthalene	--	--	--	--	160000	**18**	1.9 JQ	1.5 JQ	3.7 JQ	4.7 U	4.5 U	**42**	**48**	**53**	1.7 JQ
Anthracene	--	6800	--	--	2100000	2.3 JQ	3.9 U	3.4 U	4 U	4.7 U	4.5 U	**9.4**	4.9 U	3 JQ	0.75 JQ
Benzo(a)anthracene	--	18000	--	7300	34000	2.5 JQ	3.9 U	3.4 U	4 U	4.7 U	4.5 U	3.5 JQ	**8.4 J**	1.1 JQ	**4.4**
Benzo(a)pyrene	--	--	--	--	190000	4.3 U	3.9 U	3.4 U	4 U	4.7 U	4.5 U	**4.5**	**13 J**	0.81 JQ	**4.4**
Benzo(b)fluoranthene	--	18000	--	--	440000	**8.3**	1.5 JQ	0.8 JQ	4 U	4.7 U	4.5 U	**11**	**20 J**	2.2 JQ	**6.5**
Benzo(g,h,i)perylene	--	--	--	--	250000	3.4 JQ	3.9 U	3.4 U	4 U	4.7 U	4.5 U	2.4 JQ	**10 J**	4.4 U	2.3 JQ
Benzo(k)fluoranthene	--	--	--	--	--	**5.8**	3.9 U	3.4 U	4 U	4.7 U	4.5 U	3.1 JQ	**7.9 J**	0.67 JQ	2.9 JQ
Chrysene	--	--	--	--	31000	**7.2**	0.51 JQ	0.93 JQ	1.3 JQ	4.7 U	4.5 U	**11**	**11 J**	1.7 JQ	**4.8**
Fluoranthene	--	--	10000	--	220000	**8.6**	3.9 U	0.55 JQ	1.6 JQ	4.7 U	4.5 U	**11**	**21 J**	1.9 JQ	**8.2**
Fluorene	--	--	3700	--	510000	2.9 JQ	3.9 U	3.4 U	2 JQ	4.7 U	4.5 U	**6.5**	**5**	4.3 JQ	0.52 JQ
Indeno(1,2,3-cd)pyrene	--	--	--	--	710000	4.3 U	3.9 U	3.4 U	4 U	4.7 U	4.5 U	2.7 JQ	**8.9 J**	4.4 U	3 JQ
Naphthalene	--	1000	--	34000	27000	**7.1**	0.95 JQ	1.2 JQ	1.7 JQ	4.7 U	4.5 U	**16**	**33**	**15**	1.2 JQ
Pentachlorophenol	--	5000	31000	3600	8100	4.5 JQ	7.8 U	6.8 U	**29**	9.6 U	9.1 U	8 JQ	10 U	6 JQ	7.5 U
Phenanthrene	--	--	5500	--	110000	**32**	2.6 JQ	2.2 JQ	**4.1**	4.7 U	4.5 U	**48**	**25**	**5.8**	**4**
Pyrene	--	--	10000	330000	230000	**9.3**	0.94 JQ	3.4 U	4 U	4.7 U	4.5 U	**14**	**19 J**	2.7 JQ	**7.2**
PAH TEQ		--	--	--	125000	**3.5**	**2.2**	**1.9**	**2.2**	**2.7**	**2.5**	**8.0**	**18.8**	**3.0**	**7.3**
Volatile Organic Compounds (µg/kg)															
Acetone	--	--	--	75000	6300	**160**	**69**	**22**	12 U	9 JQ	15 U	14 JQ	1500 U	27 JQ	6.7 JQ
Benzene	--	--	--	--	240000	25 JQ	24 JQ	2.2 JQ	6.1 U	10 U	7.3 U	8.9 U	770 U	15 U	5.8 U
Ethylbenzene	--	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	770 U	7.6 JQ	5.8 U
Isopropylbenzene	--	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	210 JQ	**20**	5.8 U

Table 7 Subsurface Soil Sample Analytical Results Summary - Potential Eastern Waste Disposal Area and UST Location (Ecological)

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375620 SL11TP01 JLTS0 3 - 4 ft	20375621 SL11TP02 JLTS1 6 - 7 ft	20375622 SL12TP01 JLTS2 3 - 4 ft	20375623 SL12TP02 JLTS3 7 - 8 ft	20375624 SL13TP01 JLTS4 1 - 2 ft	20375625 SL13TP02 JLTS5 4 - 5 ft	20375665 OP01TP01 JLTY5 4 - 5 ft	20375666 OP01TP02 JLTY6 6 - 7 ft	20375617 OP01TP03 JLTR7 7 - 7.5 ft	20385601 OP01GP01 JLTQ1 4 - 8 ft
		P	Inv	Birds	M										
m, p-Xylene	--	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	210 JQ	3 JQ	5.8 U
Methyl acetate	--	--	--	--	--	**65**	22 JQ	**11**	6.1 U	10 U	7.3 U	8.9 U	770 U	15 U	5.8 U
Methylcyclohexane	--	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	**3200**	**5100**	5.8 U
o-Xylene	--	--	--	--	--	65 U	28 U	7.9 U	6.1 U	10 U	7.3 U	8.9 U	120 JQ	1.5 JQ	5.8 U
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range Organics	--	260	260	6000	6000	56 U	47 U	42 U	47 U	57 U	55 U	54 U	***380***	**200**	45 U
Motor Oil Range Organics	--	260	260	6000	6000	***790***	120 U	100 U	120 U	140 U	140 U	140 U	***280***	120 U	110 U
Gasoline Range Organics	--	120	120	5000	5000	33 U	22 U	7.3 U	6.7 U	16 U	17 U	13 U	***180***	20 U	7.9 U

Notes:

Bold type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

<u>**19**</u> Yellow shaded cell with double underlined type designates value above highest Level II RBC for given contituent. The cell with the highest RBC for a given constituent has also been shaded yellow.

161 <u>123</u> Diagonal hatching added to green and/or yellow shaded to cell to indicate value is also above regional background metals value.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

M = Mammals

ODEQ = Oregon Department of Environmental Quality

P = Plants

PAH TEQ = Polycyclic aromatic hydrocarbons Toxicity Equivalent Quotient. Result compared to value for benzo(a)pyrene as published in ODEQ 1998 Ecological Risk Assessment guidance

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

Table 8 Sediment Sample Analytical Results Summary - Former Log and Fire Suppresion Ponds

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Value [b]	20375654 PD01SD JLTX4 0 - 6 in	20375655 PD02SD JLTX5 0 - 6 in	20375656 PD03SD JLTX6 0 - 6 in	20375657 PD04SD JLTX7 0 - 6 in	20375658 PD05SD JLTX8 0 - 6 in	20375659 PD06SD JLTX9 0 - 12 in	20375660 PD07SD JLTY0 0 - 12 in	20375661 PD08SD JLTY1 0 - 12 in	20375662 PD09SD JLTY2 0 - 12 in
Dioxins/Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	--	--	**3200**	**2600**	**2500**	**100**	**43**	**44**	**100**	**69**	**16**
1,2,3,4,6,7,8-HpCDF	--	--	**880**	**700**	**620**	**26**	**9.3**	**12**	**23**	**15**	3.7 JQ
1,2,3,4,7,8,9-HpCDF	--	--	**68**	**51**	**44**	1.8 JQ	0.72 JQ	0.79 JQ	1.5 JQ	1 JQ	0.36 U
1,2,3,4,7,8-HxCDD	--	--	**33**	**35**	**33**	1.8 JQ	0.59 JQ	0.75 JQ	1.5 JQ	1.2 JQ	0.52 U
1,2,3,4,7,8-HxCDF	--	--	**83**	**71**	**63**	2.3 JQ	0.66 JQ	1 JQ	1.9 JQ	1.2 JQ	0.44 U
1,2,3,6,7,8-HxCDD	--	--	**140**	**120**	**150**	**5.2**	2.4 JQ	2.4 JQ	**6**	3.7 JQ	0.94 JQ
1,2,3,6,7,8-HxCDF	--	--	**39**	**32**	**29**	1.6 JQ	0.37 U	0.76 JQ	1.2 JQ	0.79 JQ	0.37 U
1,2,3,7,8,9-HxCDD	--	--	**60**	**67**	**62**	**5.4**	1.8 JQ	1.3 JQ	2.9 JQ	2.3 JQ	0.55 U
1,2,3,7,8,9-HxCDF	--	--	**27**	**22**	**23**	0.77 JQ	0.47 U	0.49 JQ	0.76 JQ	0.49 JQ	0.47 U
1,2,3,7,8-PeCDD	--	--	**21**	**25**	**24**	1 JQ	0.38 JQ	0.61 JQ	0.78 JQ	0.75 JQ	0.31 JQ
1,2,3,7,8-PeCDF	--	--	**13**	**11**	**11**	0.75 JQ	0.3 U	0.42 JQ	0.53 JQ	0.42 JQ	0.3 U
2,3,4,6,7,8-HxCDF	--	--	**60**	**53**	**48**	1.8 JQ	0.44 U	0.97 JQ	1.6 JQ	1 JQ	0.44 U
2,3,4,7,8-PeCDF	--	--	**33**	**30**	**28**	1.4 JQ	0.31 JQ	0.86 JQ	1.2 JQ	0.83 JQ	0.32 JQ
2,3,7,8-TCDD	--	9	**7.1**	**4.5**	**4.5**	0.99 JQ	**1.1**	**3.6**	0.88 JQ	**1.5**	0.37 JQ
2,3,7,8-TCDF	--	--	**3.1**	**2.9**	**3.1**	0.63 JQ	0.2 JQ	0.35 JQ	0.48 JQ	0.49 JQ	0.18 JQ
OCDD	--	--	**33000 J**	**24000 J**	**24000 J**	**870**	**410**	**330**	**720**	**550**	**120**
OCDF	--	--	**2600**	**1600**	**1400**	**68**	**35**	**30**	**57**	**39**	7.5 JQ
TEQ (Bird)	--	9	**110**	**100**	**99**	**5.9 J**	**2.5 J**	**6.2 J**	**4.7 J**	**4.5 J**	**1.2 J**
TEQ (Fish)	--	9	**100**	**96**	**90**	**4.9 J**	**2.2 J**	**5.6 J**	**4.1 J**	**4 J**	**0.92 J**
TEQ (Mammal)	--	9	**140**	**120**	**120**	**5.9 J**	**2.8 J**	**6 J**	**5.1 J**	**4.7 J**	**1.1 J**
Target Analyte List Metals (mg/kg)											
Aluminum	--	--	**25200**	**25400**	**23200**	**20900**	**19100**	**17400**	**20700**	**20900**	**22000**
Arsenic	12	6	**2.6**	**2.7**	**3.3**	**3.2**	**2.4**	**3**	**3.9**	**4.5**	**4.9**
Barium	630	--	**124**	**137**	**190**	**129**	**75.7**	**92.8**	**119**	**101**	**86.9**
Beryllium	1.4	--	0.74 JQ	**0.73**	0.81 JQ	**0.85**	**0.68**	**0.6**	**0.77**	**0.72**	**0.81**
Calcium	--	--	**2780**	**2590**	**7350**	**1580**	**2920**	**1350**	**1570**	**1350**	487 JQ
Chromium	890	37	**75**	**74.6**	**78.1**	**49**	**51.3**	**40.9**	**47.7**	**48.5**	**46.2**
Cobalt	--	--	**13.7**	**13.4**	**15.4**	**15**	**10.6**	**10.6**	**14**	**11.5**	**13**
Copper	110	36	**46.1**	**53.6**	**72**	**33.7**	**32.9**	**25.6**	**30.6**	**30.6**	**30.2**
Iron	--	--	**32400**	**32400**	**42200**	**29600**	**29100**	**19100**	**28100**	**25900**	**32100**
Lead	36	35	**12.7 J**	**17.4 J**	**44.2 J**	**9.3**	**7.4**	**7**	**8.2**	**8.2**	**6.9**
Magnesium	--	--	**11000**	**9140**	**9030**	**4120**	**8010**	**3700**	**3820**	**3850**	**5680**
Manganese	3000	1100	**360**	**331**	**660**	**332**	**336**	**162**	**316**	**184**	**269**
Mercury	0.17	0.2	0.24 U	**0.19**	0.28 U	**0.2**	0.16 U	**0.13**	**0.14**	**0.16**	0.18 U
Nickel	630	18	**84.9**	**70**	**68.5**	**52.3**	**56.7**	**45**	**53.4**	**51.5**	**53.8**
Potassium	--	--	256 JQ	**510**	491 JQ	253 JQ	375 JQ	432 U	492 U	492 U	371 JQ
Vanadium	290	--	**53.6 J**	**60.7 J**	**56.3 J**	**52.2**	**47**	**53.3**	**58.4**	**69.6**	**56.3**
Zinc	140	123	**130**	**135**	**277**	**87.9**	**64.1**	**68.4**	**71.8**	**81.8**	**105**

Table 8 Sediment Sample Analytical Results Summary - Former Log and Fire Suppresion Ponds

EPA Sample ID Station Location Description CLP Sample Number Sample Depth (bgs)	Back-ground Metals [a]	Regulatory Cleanup Value [b]	20375654 PD01SD JLTX4 0 - 6 in	20375655 PD02SD JLTX5 0 - 6 in	20375656 PD03SD JLTX6 0 - 6 in	20375657 PD04SD JLTX7 0 - 6 in	20375658 PD05SD JLTX8 0 - 6 in	20375659 PD06SD JLTX9 0 - 12 in	20375660 PD07SD JLTY0 0 - 12 in	20375661 PD08SD JLTY1 0 - 12 in	20375662 PD09SD JLTY2 0 - 12 in
Semivolatile Organic Compounds (µg/kg)											
2-Methylnaphthalene	--	--	5.6 JQ	**13**	**13**	18 U	0.81 JQ	16 U	13 U	16 U	6.8 U
Benzo(a)anthracene	--	32	5.8 JQ	**32 J**	**12 J**	18 U	4.9 U	16 U	13 U	16 U	6.8 U
Benzo(b)fluoranthene	--	--	7.6 JQ	**24**	6.3 JQ	18 U	1 JQ	7.3 JQ	4 JQ	16 U	1.9 JQ
Chrysene	--	57	8.9 JQ	**13 J**	7.9 JQ	2.7 JQ	0.97 JQ	3.6 JQ	13 U	16 U	1.7 JQ
Fluoranthene	--	111	**18**	**45**	**18**	2.5 JQ	0.97 JQ	6.9 JQ	**28 J**	5.7 JQ	6.8 U
Naphthalene	--	176	8.9 JQ	**12**	**13**	18 U	4.9 U	16 U	13 U	16 U	6.8 U
Pentachlorophenol	--	--	**20**	14 JQ	8.9 JQ	37 U	10 U	32 U	27 U	33 U	14 U
Phenanthrene	--	42	**26**	**53**	**36**	4.7 JQ	3.5 JQ	5.1 JQ	4.1 JQ	4.1 JQ	3.8 JQ
Pyrene	--	53	**14**	**14 J**	7.7 JQ	18 U	0.58 JQ	4.1 JQ	13 U	16 U	6.8 U
PAH TEQ	--	32	**6.5**	**11.7**	**6.7**	**10.1**	**2.7**	**9.3**	**7.6**	**8.9**	**3.9**
Total Organic Carbon (mg/kg)											
Total Organic Carbon	--	--	**111000**	**100000**	**228000**	**178000**	**68600**	**136000**	**137000**	**153000**	**47100**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

74 Grey shaded cell with **underlined and bolded type** designates value above Level II Screening Value for Freshwater Sediment but below background metals concentration for inorganic constituents.

277 Orange shaded cell with **underlined and bolded type** designates value above both Level II Screening Value for Freshwater Sediment and background metals concentration.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Mountains region.

b = Value is Level II SLV for Freshwater Sediment, non-bioacucmulative from ODEQ 1998 guidance document.

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ID = Identification.

in = inches

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

PAH = Polycyclic aromatic hydrocarbons

Q = Detected concentration is below the method reporting limit/CRQL.

SLV = Screening Level Value

TEQ = Toxicity Equivalent Quotient. All calculated TEQ values are compared to Level II SLV for 2,3,7,8-TCDD.

U = The material was analyzed for but was not detected. For all but PAH TEQ, the associated numerical value is the CRQL or sample detection limit.

Table 9 Surface Water Sample Analytical Results Summary - Former Log and Fire Suppression Ponds (Ecological)

EPA Sample ID Station Location Description CLP Sample Number	Level II SLV *	20375719 PD01SW JLW39	20375720 PD01SW-D MJLW40	20375721 PD05SW JLW41	20375722 PD05SW-D MJLW42	20375723 PD06SW JLW43	20375724 PD06SW-D MJLW44	20375725 PD09SW JLW45	20375726 PD09SW-D MJLW46
Dioxins/Furans (pg/L)									
1,2,3,4,6,7,8-HpCDD	--	13 JQ	--	4.1 U	--	4.2 U	--	8 JQ	--
1,2,3,4,6,7,8-HpCDF	--	4.3 JQ	--	3.3 U	--	3.4 U	--	3.4 U	--
1,2,3,4,7,8,9-HpCDF	--	2.4 U	--	2.4 U	--	2.4 U	--	2.8 U	--
1,2,3,4,7,8-HxCDD	--	1.5 U	--	1.4 U	--	1.5 U	--	1.4 U	--
1,2,3,4,7,8-HxCDF	--	3.2 U	--	3.2 U	--	3.2 U	--	3.2 U	--
1,2,3,6,7,8-HxCDD	--	2.1 U	--	2.1 U	--	2.1 U	--	2.1 U	--
1,2,3,6,7,8-HxCDF	--	2.7 U	--	2.7 U	--	2.7 U	--	2.7 U	--
1,2,3,7,8,9-HxCDD	--	2.1 U	--	2.1 U	--	2.1 U	--	2.1 U	--
1,2,3,7,8,9-HxCDF	--	3.8 U	--	3.7 U	--	3.8 U	--	3.7 U	--
1,2,3,7,8-PeCDD	--	3.7 U	--	3.6 U	--	3.7 U	--	3.6 U	--
1,2,3,7,8-PeCDF	--	3.8 U	--	3.7 U	--	3.8 U	--	3.7 U	--
2,3,4,6,7,8-HxCDF	--	3.4 U	--	3.3 U	--	3.4 U	--	3.4 U	--
2,3,4,7,8-PeCDF	--	3.4 U	--	3.3 U	--	3.4 U	--	3.4 U	--
2,3,7,8-TCDD	7600 [m]	0.99 U	--	1.1 U	--	0.72 U	--	0.71 U	--
2,3,7,8-TCDF	--	1.1 U	--	1.1 U	--	1.1 U	--	1.1 U	--
OCDD	--	**130**	--	24 JQ	--	16 JQ	--	94 JQ	--
OCDF	--	9.1 JQ	--	6.3 U	--	6.4 U	--	6.3 U	--
TEQ (Bird)	100000 [b]	**0.07 J**	--	**0.0024 J**	--	**0.0016 J**	--	**0.017 J**	--
TEQ (Fish)	--	**0.07 J**	--	**0.0024 J**	--	**0.0016 J**	--	**0.017 J**	--
TEQ (Mammal)	7600 [m]	**0.21 J**	--	**0.0072 J**	--	**0.0048 J**	--	**0.11 J**	--
Target Analyte List Metals (µg/L)									
Aluminum	87 [a]	**343**	200 U	179 JQ	200 U	196 JQ	200 U	107 JQ	200 U
Barium	4 [a]	**12.7**	**12.5**	**14.7**	**14.9**	**14.8**	**13.9**	**12.6**	**13.6**
Iron	1000 [a]	**1780**	**398**	**628**	**166**	**605**	100 U	**318**	100 U
Manganese	120 [a]	**51.2**	**36.8**	**23.6**	**16.6**	**39.1**	**23.3**	**16.7**	15 U
Sodium	--	**8170**	**8140**	**7850**	**8210**	**7910**	**8190**	**7850**	**8120**

Notes:

Bold type indicates the sample result is above the sample quantitation limit.

74 Grey shaded cell with **underlined and bolded type** designates value above Level II SLV for exposure by the referenced receptor.

* = Value is lowest Level II Screening Value for constituent in Surface Water, as referenced in ODEQ's 1998 Ecological Risk Assessment Guidance.
Superscript letter designates associated receptor. Values have not been adjusted in consideration of exposure to non-threatened or endangered species.

a = Value for aquatic receptor

m = Value for mammal receptor

Key:

-- = Not available, applicable, or analyzed for given constituent.

CLP = Contract Laboratory Program

-D = Suffix used to designate filtered sample for dissolved constituents

EPA = United States Environmental Protection Agency

ID = Identification

J = The analyte was positively identified and the associated numerical value is an estimated quantity.

µg/L = Micrograms per liter

pg/L = Picograms per liter

Q = Result is estimated because the concentration is below the Contract Required Quantitation Limits.

SLV = Screening Level Value

TEQ = Toxicity Equivalent Quotient. Values are compared to RBC for 2,3,7,8-TCDD. See Section 4.2 of TBA report for information on how TEQ was calculated.

U = The material was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Table 10 Groundwater Sample Analytical Results Summary (Ecological)

EPA Sample ID	Level II SLV *	20375677	20375678	20385679	20385680	20375685	20375686	20375687	20375688	20375689	20375690	20375691	20375692
Station Location Description		SL01GW	SL01GW-D	EW01GW	EW01GW-D	SL05GW	SL05GW-D	SL06GW	SL06GW-D	SL07GW	SL07GW-D	SL10GW	SL10GW-D
CLP Sample Number		JLTZ7	MJLTZ8	JLTZ9	MJLW00	JLW05	MJLW06	JLW07	MJLW08	JLW09	MJLW10	JLW11	MJLW12
Sampling Area		Former Maintenance Bldg				PCP in Groundwater and Potential UST						Former Transformer	
Dioxins/Furans (pg/L)													
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	43 JQ	--	4.4 U	--	4.3 U	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	6.5 JQ	--	3.5 U	--	3.5 U	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	2.4 U	--	2.5 U	--	2.5 U	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	1.5 U	--	1.6 U	--	1.5 U	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	3.2 U	--	3.3 U	--	3.3 U	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	3.3 JQ	--	2.2 U	--	2.2 U	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	2.7 U	--	2.8 U	--	2.8 U	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	2.1 U	--	2.2 U	--	2.2 U	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	3.8 U	--	4 U	--	3.9 U	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	--	3.7 U	--	3.9 U	--	3.8 U	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	--	3.8 U	--	4 U	--	3.9 U	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	3.4 U	--	3.5 U	--	3.5 U	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	--	3.4 U	--	3.5 U	--	3.5 U	--	--	--
2,3,7,8-TCDD	0.0076 [m]	--	--	--	--	1.1 U	--	1.1 U	--	1.1 U	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	1.1 U	--	1.1 U	--	1.1 U	--	--	--
OCDD	--	--	--	--	--	**340**	--	7.9 U	--	10 JQ	--	--	--
OCDF	--	--	--	--	--	28 JQ	--	6.7 U	--	6.7 U	--	--	--
TEQ (Bird)	100000	--	--	--	--	**0.18 J**	--	**0**	--	**0.001 J**	--	--	--
TEQ (Fish)	--	--	--	--	--	**0.18 J**	--	**0**	--	**0.001 J**	--	--	--
TEQ (Mammal)	7600	--	--	--	--	**0.93 J**	--	**0**	--	**0.003 J**	--	--	--
Target Analyte List Metals (µg/L)													
Arsenic	150 [a]	--	1 U	--	1 U	--	0.09 JQ	--	1 U	--	1 U	--	1 U
Barium	4 [a]	--	**14.6**	--	**15.1**	--	7.9 JQ	--	8.6 JQ	--	8 JQ	--	8.9 JQ
Calcium	116000 [a]	--	2690 JQ	--	2820 JQ	--	**7180**	--	**6390**	--	**6280**	--	**9280**
Copper	9 [a]	--	2 U	--	**5.3**	--	2 U	--	2 U	--	2 U	--	**9.1**
Iron	1000 [a]	--	100 U	--	100 U	--	**1960 J**	--	100 U	--	**228 J**	--	100 U
Magnesium	82000 [a]	--	2150 JQ	--	2490 JQ	--	4210 JQ	--	**5430**	--	4000 JQ	--	3340 JQ
Manganese	120 [a]	--	**40.9**	--	**45.8**	--	**529**	--	**669**	--	**546**	--	**29**
Mercury	0.77 [a]	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U
Sodium	--	--	**7350**	--	**7620**	--	**6770**	--	**8370**	--	**6910**	--	**6500**
Semivolatile Organic Compounds (µg/L)													
Pentachlorophenol	15 [a]	0.2 U	--	0.2 U	--	0.061 JQ	--	0.2 U	--	0.21 U	--	0.21 UJ	--
Volatile Organic Compounds (µg/L)													
Methylcyclohexane	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	--	--
Total Petroleum Hydrocarbons (µg/L)													
Gasoline Range Organics	--	50 U	--	50 U	--	50 U	--	50 U	--	50 U	--	--	--

Table 10 Groundwater Sample Analytical Results Summary (Ecological)

EPA Sample ID		20375703	20375704	20375707	20375708	20375709	20375710	20375711	20375712	20375713	20375714	20385681	20385682	20385715	20385716
Station Location Description	Level II	SL15GW	SL15GW-D	SL18GW	SL18GW-D	SL20GW	SL20GW-D	SL21GW	SL21GW-D	SL22GW	SL22GW-D	TP3GW	TP3GW-D	TP23GW	TP23GW-D
CLP Sample Number	SLV *	JLW23	MJLW24	JLW27	MJLW28	JLW29	MJLW30	JLW31	MJLW32	JLW33	MJLW34	JLW01	MJLW02	JLW35	MJLW36
Sampling Area		Southern Wigwam Burner				Former Stud Mill and Vicinity						Log Pond Perimeter			
Dioxins/Furans (pg/L)															
1,2,3,4,6,7,8-HpCDD	--	41 JQ	--	10 JQ	--	**160**	--	10 JQ	--	8.5 JQ	--	--	--	4.4 U	--
1,2,3,4,6,7,8-HpCDF	--	3.6 JQ	--	3.5 U	--	28 JQ	--	3.5 U	--	3.5 U	--	--	--	3.5 U	--
1,2,3,4,7,8,9-HpCDF	--	2.5 U	--	2.5 U	--	2.5 U	--	2.5 U	--	2.5 U	--	--	--	2.5 U	--
1,2,3,4,7,8-HxCDD	--	1.5 U	--	1.5 U	--	1.8 U	--	1.5 U	--	1.5 U	--	--	--	1.5 U	--
1,2,3,4,7,8-HxCDF	--	3.3 U	--	3.3 U	--	3.3 U	--	3.3 U	--	3.3 U	--	--	--	3.3 U	--
1,2,3,6,7,8-HxCDD	--	2.9 JQ	--	2.2 U	--	5 JQ	--	2.2 U	--	2.2 U	--	--	--	2.2 U	--
1,2,3,6,7,8-HxCDF	--	2.8 U	--	2.8 U	--	2.8 U	--	2.8 U	--	2.8 U	--	--	--	2.8 U	--
1,2,3,7,8,9-HxCDD	--	2.5 JQ	--	2.2 U	--	3.1 JQ	--	2.2 U	--	2.2 U	--	--	--	2.2 U	--
1,2,3,7,8,9-HxCDF	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--	--	--	4 U	--
1,2,3,7,8-PeCDD	--	3.8 U	--	3.8 U	--	3.8 U	--	3.8 U	--	3.8 U	--	--	--	3.9 U	--
1,2,3,7,8-PeCDF	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--	3.9 U	--	--	--	4 U	--
2,3,4,6,7,8-HxCDF	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--	--	--	3.5 U	--
2,3,4,7,8-PeCDF	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--	3.5 U	--	--	--	3.5 U	--
2,3,7,8-TCDD	0.0076 [m]	1.1 U	--	0.99 U	--	1.2 U	--	1.1 U	--	1.1 U	--	--	--	0.75 U	--
2,3,7,8-TCDF	--	1.1 U	--	1.1 U	--	1.2 U	--	1.1 U	--	1.1 U	--	--	--	1.1 U	--
OCDD	--	**190**	--	83 JQ	--	**1600**	--	**120**	--	29 JQ	--	--	--	**11** JQ	--
OCDF	--	13 JQ	--	8.7 JQ	--	97 JQ	--	7 JQ	--	6.6 U	--	--	--	6.7 U	--
TEQ (Bird)	100000	**0.38 J**	--	**0.019 J**	--	**0.97 J**	--	**0.023 J**	--	**0.011 J**	--	--	--	**0.0011 J**	--
TEQ (Fish)	--	**0.15 J**	--	**0.019 J**	--	**0.69 J**	--	**0.023 J**	--	**0.011 J**	--	--	--	**0.0011 J**	--
TEQ (Mammal)	7600	**1 J**	--	**0.13 J**	--	**3.2 J**	--	**0.14 J**	--	**0.094 J**	--	--	--	**0.0033 J**	--
Target Analyte List Metals (µg/L)															
Arsenic	150 [a]	--	1 U	--	**1.8**	--	**2**	--	**2.6**	--	**3.2**	--	1 U	--	**2.1**
Barium	4 [a]	--	**12.7**	--	**14.9**	--	**12.6**	--	**17.4**	--	6.5 JQ	--	**32.9**	--	**15.6**
Calcium	116000 [a]	--	**12400**	--	**5260**	--	**6640**	--	**5030**	--	1890 JQ	--	3610 JQ	--	**3000** JQ
Copper	9 [a]	--	2 U	--	2 U	--	2 U	--	2 U	--	2 U	--	**2** U	--	2 U
Iron	1000 [a]	--	100 U	--	**13700 J**	--	**10900 J**	--	**14400 J**	--	**19400 J**	--	**726 J**	--	**10600 J**
Magnesium	82000 [a]	--	3110 JQ	--	3210 JQ	--	2780 JQ	--	2980 JQ	--	1610 JQ	--	3200 JQ	--	3160 JQ
Manganese	120 [a]	--	**58.8**	--	**1510**	--	**640**	--	**3010**	--	**463**	--	**65.7**	--	**609**
Mercury	0.77 [a]	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U
Sodium	--	--	**8240**	--	**8230**	--	**8810**	--	**9360**	--	**7730**	--	**8670**	--	**8150**
Semivolatile Organic Compounds (µg/L)															
Pentachlorophenol	15 [a]	0.2 U	--	0.21 U	--	0.2 U	--	0.21 U	--	0.21 U	--	0.2 U	--	0.21 U	--
Volatile Organic Compounds (µg/L)															
Methylcyclohexane	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)															
Gasoline Range Organics	--	50 U	--	50 U	--	50 U	--	50 U	--	50 U	--	--	--	--	--

Table 10 Groundwater Sample Analytical Results Summary (Ecological)

EPA Sample ID	Level II SLV *	20385717	20385718	20385693	20385694	20385695	20385696	20385697	20385698	20385699	20385700	20385733	20385734
Station Location Description		TP25GW	TP25GW-D	TP11GW	TP11GW-D	TP12GW	TP12GW-D	TP13GW	TP13GW-D	EW02GW	EW02GW-D	OP01GW-D	OP01GW
CLP Sample Number		JLW37	MJLW38	JLW13	MJLW14	JLW15	MJLW16	JLW17	MJLW18	JLW19	MJLW20	MJLW53	JLW54
Sampling Area		Log Pond Perimeter		Potential Eastern Waste Disposal Area and UST Location									
Dioxins/Furans (pg/L)													
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	0.0076 [m]	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDD	--	--	--	--	--	--	--	--	--	--	--	--	--
OCDF	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ (Bird)	100000	--	--	--	--	--	--	--	--	--	--	--	--
TEQ (Fish)	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ (Mammal)	7600	--	--	--	--	--	--	--	--	--	--	--	--
Target Analyte List Metals (µg/L)													
Arsenic	150 [a]	--	**5.6**	--	1 U	--	**1.6**	--	1 U	--	1 U	0.2 JQ	--
Barium	4 [a]	--	**360**	--	**20.4**	--	**43.9**	--	**12.2**	--	**11.4**	**10.5**	--
Calcium	116000 [a]	--	**9150**	--	2210 JQ	--	**6010**	--	3370 JQ	--	3990 JQ	2210 JQ	--
Copper	9 [a]	--	2 U	--	2 U	--	2 U	--	2 U	--	2 U	2 U	--
Iron	1000 [a]	--	**160000 J**	--	100 U	--	**4460 J**	--	**223 J**	--	100 U	**1630 J**	--
Magnesium	82000 [a]	--	**6630**	--	1580 JQ	--	4760 JQ	--	2680 JQ	--	3730 JQ	1960 JQ	--
Manganese	120 [a]	--	**2680**	--	**25.9**	--	**104**	--	**112**	--	**42.3**	**59.8**	--
Mercury	0.77 [a]	--	**0.22**	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	0.2 U	--
Sodium	--	--	**12100**	--	**8150**	--	**12600**	--	**9300**	--	**9360**	**7830**	--
Semivolatile Organic Compounds (µg/L)													
Pentachlorophenol	15 [a]	0.21 U	--	0.2 U	--	0.2 U	--	0.2 U	--	0.2 U	--	--	0.21 U
Volatile Organic Compounds (µg/L)													
Methylcyclohexane	--	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--	--	**0.77**
Total Petroleum Hydrocarbons (µg/L)													
Gasoline Range Organics	--	--	--	50 U	--	50 U	--	50 U	--	50 U	--	--	**140**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

74 Grey shaded cell with **underlined and bolded type** designates value above Level II SLV for exposure by the referenced receptor.

* = Value is lowest Level II Screening Value for constituent in Surface Water, as referenced in ODEQ's 1998 Ecological Risk Assessment Guidance. Superscript letter designates associated receptor. Values have not been adjusted in consideration of exposure to non-threatened or endangered species.

a = Value for aquatic receptor

m = Value for mammal receptor

Key:

-- = Not available, applicable, or analyzed for given constituent.

CLP = Contract Laboratory Program

-D = Suffix used to designate filtered sample for dissolved consituents

EPA = United States Environmental Protection Agency

ID = Identification

J = The analyte was positively identified and the associated numerical value is an estimated quantity.

µg/L = Micrograms per liter

pg/L = Picograms per liter

PCP = Pentachlorophenol

Q = Result is estimated because the concentration is below the Contract Required Quantitation Limits.

RBC = Risk-based concentration for residential groundwater consumption.

TEQ = Toxicity Equivalent Quotient. Values are compared to RBC for 2,3,7,8-TCDD. See Section 4.2 of TBA report for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

UST = Underground Storage Tank

Table 11 Surface Soil Sample Analytical Results Summary - Incremental Sampling Method (Ecological)

EPA Sample ID Station Location Description Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375667 DU01SS 0-4 cm	20385668 DU02SS 0-4 cm	20385669 DU03SS 0-4 cm	20385670 DU04SS 0-4 cm	20385671 DU05SS 0-4 cm	20385672 DU06SS 0-4 cm	20385675 DU06SS-R 0-4 cm	20385676 DU06SS-T 0-4 cm	20385673 DU07SS 0-4 cm	20375674 DU08SS 0-4 cm
		P	Inv	Birds	M										
Dioxins/Furans (ng/kg)															
1,2,3,4,6,7,8-HpCDF	--	--	--	230	11	*206*	10.2	*23.6*	*48.4*	*204*	*131*	*136*	*140*	*79.3*	10.4
1,2,3,4,6,7,8-HpCDD	--	--	--	1500	7	*1260*	*56.4*	*117*	*205*	*652*	*479*	*488*	*556*	*737*	*41*
1,2,3,4,7,8,9-HpCDF	--	--	--	230	11	*12.5*	0.88 J	2.12 J	3.84	*14.9*	10.9	9.73	*11.6*	6.56	0.73 J
1,2,3,4,7,8-HxCDF	--	--	--	23	1.1	*11.5*	0.922 J	*1.81* J	*3.85*	*15.9*	*11.7*	*11.6*	*13*	*6.46*	0.868 J
1,2,3,4,7,8-HxCDD	--	--	--	51	1.2	*11.3*	0.998 J	*1.37* J	*2.88*	7.9 U	*7.72*	*7.39*	*10.6*	*21.1*	0.811 J
1,2,3,6,7,8-HxCDF	--	--	--	23	1.1	*5.34* J	0.465 J	0.933 J	*2.7*	*12.3* J	*7.25*	*6.88*	*8.3*	*3.8*	0.679 J
1,2,3,6,7,8-HxCDD	--	--	--	190	0.89	*43.3*	*2.66*	*4.7*	*8.5*	*27.5*	*24.2*	*21.6*	*26*	*29.2*	*2.09* J
1,2,3,7,8,9-HxCDF	--	--	--	30	1.4	*4.43* J	0.4 J	0.712 J	1.11 J	*5.35* J	*3.92*	*3.68* J	*4.36*	*2.5* J	0.33 U
1,2,3,7,8,9-HxCDD	--	--	--	19	0.89	19.9	*2.18* J	*2.77*	*6.19*	*17.9*	*18.5*	*17.8*	26.1	30	*1.54* J
1,2,3,7,8-PeCDF	--	--	--	41	6.5	2.75 J	0.398 J	0.454 J	1.12 J	*6.8* J	4.6	4.02	5	1.73 J	0.353 J
1,2,3,7,8-PeCDD	--	--	--	5.9	0.28	*5.71* J	*0.889* J	1.2 U	*1.98* J	*5.43* J	6.33	7.1	9.8	12.6	*0.61* J
2,3,4,6,7,8-HxCDF	--	--	--	23	1.1	13 U	0.787 J	2 U	4.9 U	19 U	*12.5*	12 U	13 U	7.7 U	1.01 J
2,3,4,7,8-PeCDF	--	--	--	4.1	0.65	6.22 J	0.597 J	*0.955* J	*2.15* J	11.1 J	8.35	7.52	9.5	*3.18*	*0.878* J
2,3,7,8-TCDF	--	--	--	6.4	3	1 J	0.622	0.37 U	0.678	9.5	*5.67*	*5.53*	*5.53*	1.67	0.424 J
2,3,7,8-TCDD	--	--	5	5.2	0.25	9.45	*0.544*	*2.79*	*0.984*	*2.71*	*2.59*	*2.94*	*3.27*	7.74	*0.669*
OCDF	--	--	--	14000	220	*892*	30	81.8	142	*617*	*403*	*437*	*491*	*239*	36
OCDD	--	--	--	19000	300	*9930*	*501*	*966*	*1570*	*5640*	*3740*	*3760*	*4090*	*5160*	*364*
TEQ (Bird)	--	--	--	5.2	--	33.60	3.46	6.78	8.91	40.60	31.73	31.64	38.40	33.89	3.31
TEQ (Fish)	--	--	--	--	--	32.69	2.81	6.29	7.87	27.63	23.74	24.15	30.56	37.42	2.68
TEQ (Mammal)	--	--	--	--	0.25	46.12	3.36	7.50	9.81	33.80	28.16	28.66	35.21	41.44	2.97
Target Analyte List Metals (mg/kg)															
Aluminum	--	--	--	--	--	25200	34300	34600	28900	21500	23300	25600	23200	26100	22200
Antimony	0.59	11	78	--	2.7	0.184 J	0.329 J	0.221 J	0.624 J	*6.07* J	2.62 J	2.2 J	*16.4* J	*5.15* J	0.094 J
Arsenic	12	18	6.8	32	31	4.29 J	*8.05* J	6.5 J	*10.2* J	*8.69* J	*15.1* J	*9.2* J	*12.3* J	*12.2* J	4.18 J
Barium	630	110	330	1200	8700	68.7	*535*	*264*	*936*	*299*	*253*	*233*	*272*	*403*	81.3
Beryllium	1.4	2.5	40	--	42	0.329	0.318	0.319	0.313	0.296	0.302	0.351	0.311	0.37	0.35
Cadmium	0.52	32	140	1.6	3.6	0.21	0.221	0.205	0.74	1.26	0.995	0.786	0.977	0.367	0.375
Calcium	--	--	--	--	--	3740	16500	6510	22000	8940	9910	9600	9460	12000	4340
Chromium	890	--	--	73	1600	*78.5*	*93.4*	*94*	*83.4*	68.8	*81*	*83.6*	*89.1*	72.5	67.1
Cobalt	--	13	--	170	640	*14.6*	*15.3*	*15.8*	*14.8*	*16.1*	*19*	*17.8*	*18.6*	*16.4*	*23.1*
Copper	110	70	80	43	70	*50.8*	85.3	*70.1*	111	183	279	242	167	92.8	*57.3*
Iron	--	--	--	--	--	35000 J	39400 J	39200 J	37900 J	49000 J	57900 J	51900 J	61200 J	43400 J	30300 J
Lead	36	120	1700	23	170	20.2 J	19.4 J	18 J	*43.7* J	*246* J	*125* J	*101* J	*226* J	*32.5* J	15.2 J
Magnesium	--	--	--	--	--	12500	14900	13700	13000	8640	9100	10500	9950	10400	11700
Manganese	3000	220	450	2700	5400	*513*	*1340*	*896*	*2640*	*1070*	*879*	*799*	*978*	*1160*	*1140*
Mercury	0.17	34	0.05	0.13	17	*0.111*	*0.09*	*0.089*	*0.068*	*0.585*	*0.206*	*0.221*	*0.194*	*0.08*	*0.066*
Nickel	630	38	280	81	21	*76.3*	*101*	*98.5*	*84.7*	*72*	*83*	*86.2*	*83.5*	*73*	*69.8*
Potassium	--	--	--	--	--	982	3880	2160	5230	2600	2690	2840	2540	3990	1060
Silver	0.16	560	--	26	140	0.06	0.412	0.181	0.991	0.439	0.309	0.234	0.366	0.167	0.067
Sodium	--	--	--	--	--	133	475	182	621	1410	1360	1720	1420	1560	174
Thallium	0.31	--	--	--	--	0.08	0.075	0.078	0.07	0.054	0.061	0.069	0.076	0.052	0.076
Vanadium	290	60	--	9.5	610	*79.3*	*94.5*	*94.6*	*81.6*	*64*	*72.7*	*79.4*	*75*	*70.6*	*75.8*
Zinc	140	160	120	120	980	*150*	*187*	*178*	*462*	*383*	*416*	*382*	*431*	*148*	93.1

Table 11 Surface Soil Sample Analytical Results Summary - Incremental Sampling Method (Ecological)

EPA Sample ID Station Location Description Sample Depth (bgs)	Back-ground Metals [a]	Level II Ecological RBC [b]				20375667 DU01SS 0-4 cm	20385668 DU02SS 0-4 cm	20385669 DU03SS 0-4 cm	20385670 DU04SS 0-4 cm	20385671 DU05SS 0-4 cm	20385672 DU06SS 0-4 cm	20385675 DU06SS-R 0-4 cm	20385676 DU06SS-T 0-4 cm	20385673 DU07SS 0-4 cm	20375674 DU08SS 0-4 cm
		P	Inv	Birds	M										
Semivolatile Organic Compounds (µg/kg)															
Methylnaphthalene, 2-	--	--	--	--	160000	**6.5 J**	1.8 JQ	3.2 JQ	**8.3 J**	**5.1 J**	**10 J**	**10 J**	**11 J**	**9 J**	4.7 JQ
Benzo(b)fluoranthene	--	18000	--	--	440000	0.38 UJ	0.38 UJ	1.5 JQ	4.2 JQ	2.6 JQ	2.7 JQ	3.9 JQ	**5.3 J**	2.6 JQ	4.2 JQ
Benzo(g,h,i)perylene	--	--	--	--	250000	0.4 UJ	0.4 UJ	0.4 UJ	1.4 JQ	1 JQ	0.95 JQ	2.2 JQ	**7.6 J**	1.2 JQ	1.7 JQ
Dibenzofuran	--	6100	--	--	--	**5 J**	4.5 UJ	4 UJ	**13 J**	**5.5 J**	**12 J**	**14 J**	**14 J**	5 UJ	3.2 UJ
Fluoranthene	--	--	10000	--	220000	**16 J**	3.7 UJ	4.6 UJ	**14 J**	**7.7 J**	**9.9 J**	**15 J**	**11 J**	**7.4 J**	**5.8 J**
Naphthalene	--	1000	--	34000	27000	**9.9 J**	**6.3 J**	**7.1 J**	**18 J**	**9.9 J**	**22 J**	**22 J**	**30 J**	**10 J**	4.6 UJ
Phenanthrene	--	--	5500	--	110000	**33 J**	**9.5 J**	**9.5 J**	**30 J**	**13 J**	**25 J**	**34 J**	**26 J**	**20 J**	**19 J**
Pyrene	--	--	10000	330000	230000	**7.7 J**	1.8 UJ	1.8 UJ	**6.1 J**	4.1 UJ	**6.1 J**	**9.4 J**	**6.3 J**	4.9 UJ	4.5 UJ
Total Organic Carbon (mg/kg)															
Total Organic Carbon	--	--	--	--	--		**55200**				**89900**				**115000**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

43.1 Green shaded cell with italicized type designates value above lowest Level II RBC for given constituent, but below the regional metals background level. The cell with the lowest RBC for a given constituent has also been shaded green.

19 Yellow shaded cell with double underlined type designates value above highest (or only for dioxin/furan TEQ) Level II RBC for given contituent. The cell with the highest (or only) RBC for a given constituent has also been shaded yellow.

161 **123** Diagonal hatching added to green and/or yellow shaded to cell to indicate value is also above regional background metals value.

a = Values are background levels of metals in soils for cleanups as provided by an ODEQ 2018 fact sheet for the Klammath Basin.

b = Values are the Level II RBC for the various terrestrial receptors. In all cases provided RBC is for species not listed as threatened or endangered

Key:

-- = Not available or applicable for given constituent

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

bgs = below ground surface

CLP = Contract Laboratory Program

CRQL = Contract Required Quanitation Limit

EPA = United States Environmental Protection Agency

ft = feet

ID = Identification.

Inv = Invertebrates

J = The associated numerical value is an estimated quantity because the reported concentrations were less than the sample quantitation limits or because quality control criteria limits were not met.

M = Mammals

ODEQ = Oregon Department of Environmental Quality

P = Plants

Q = Detected concentration is below the method reporting limit/CRQL.

RBC = Risk Based Concentration

TEQ = Toxicity Equivalent Quotient. Values for are compared to RBC for 2,3,7,8-TCDD. See Section 4.2 of TBA report for additional information on how TEQ was calculated.

U = The material was analyzed for but was not detected. The associated numerical value is the CRQL or sample detection limit.

ODEQ Level I Ecological Risk Assessment Attachments:

Attachment 1 – Guidance for Ecological Risk Assessment Checklist
Attachment 2 – Evaluation of Receptor-Pathway Interactions

ATTACHMENT 1
Ecological Scoping Checklist

Site Name	Former Western States Plywood
Date of Site Visit	9/8/2020 - 9/13/2020
Site Location	Port Orford, Oregon
Site Visit Conducted by	Janelle Leeson

Part ❶

CONTAMINANTS OF INTEREST Types, Classes, Or Specific Hazardous Substances ‡ Known Or Suspected	Onsite	Adjacent to or in locality of the facility †

‡ As defined by OAR 340-122-115(30) † As defined by OAR 340-122-115(34)

Part ❷

OBSERVED IMPACTS ASSOCIATED WITH THE SITE	Finding
Onsite vegetation (**N**one, **L**imited, **E**xtensive)	N
Vegetation in the locality of the site (**N**one, **L**imited, **E**xtensive)	N
Onsite wildlife such as macroinvertebrates, reptiles, amphibians, birds, mammals, other (**N**one, **L**imited, **E**xtensive)	L
Wildlife such as macroinvertebrates, reptiles, amphibians, birds, mammals, other in the locality of the site (**N**one, **L**imited, **E**xtensive)	N
Other readily observable impacts (**N**one, **D**iscuss below)	D

Discussion:
Observed impacts to water quality. A sheen on the water surface was observed in the fire suppression pond as well as on the surface of Bagley Creek.

ATTACHMENT 1
Ecological Scoping Checklist (cont'd)

Part ❸

SPECIFIC EVALUATION OF ECOLOGICAL RECEPTORS / HABITAT	Finding

SPECIFIC EVALUATION OF ECOLOGICAL RECEPTORS / HABITAT	Finding	
Terrestrial - Wooded		
Percentage of site that is wooded	2.5	
Dominant vegetation type (**E**vergreen, **D**eciduous, **M**ixed)	D	**P ***
Prominent tree size at breast height, i.e., four feet (<6", 6" to 12", >12")	<6	
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Terrestrial - Scrub/Shrub/Grasses		
Percentage of site that is scrub/shrub	48.8	
Dominant vegetation type (**Sc**rub, **Sh**rub, **G**rasses, **O**ther)	G, Sc	**P**
Prominent height of vegetation (<2', 2' to 5', >5')	<2	
Density of vegetation (**D**ense, **P**atchy, **S**parse)	D	**P**
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Terrestrial - Ruderal		
Percentage of site that is ruderal	24	
Dominant vegetation type (**L**andscaped, **A**griculture, **B**are ground)	B	**P**
Prominent height of vegetation (0', >0' to <2', 2' to 5', >5')	>0	
Density of vegetation (**D**ense, **P**atchy, **S**parse)	S	**P**
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Aquatic - Non-flowing (lentic)		
Percentage of site that is covered by lakes or ponds	0.5	
Type of water bodies (**L**akes, **P**onds, **V**ernal pools, **I**mpoundments, **Lag**oon, **R**eservoir, **C**anal)	P	
Size (acres), average depth (feet), trophic status of water bodies	0.14 acres	
Source water (**R**iver, **St**ream, **G**roundwater, **I**ndustrial discharge, **Su**rface water runoff)	St	
Water discharge point (**N**one, **R**iver, **St**ream, **G**roundwater, **W**etlands impoundment)	St, W	
Nature of bottom (**M**uddy, **R**ocky, **S**and, **C**oncrete, **O**ther)	M	**P**
Vegetation present (**S**ubmerged, **E**mergent, **F**loating)	S, E, F	**P**
Obvious wetlands present (**Y**es / **N**o)	N	
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Aquatic - Flowing (lotic)		
Percentage of site that is covered by rivers, streams (brooks, creeks), intermittent streams, dry wash, arroyo, ditches, or channel waterway	1.1	
Type of water bodies (**R**ivers, **S**treams, **I**ntermittent Streams, **D**ry wash, **A**rroyo, **D**itches, **C**hannel waterway)	R, S	
Size (acres), average depth (feet), approximate flow rate (cfs) of water bodies	0.3 acre	**P**
Bank environment (cover: **V**egetated, **B**are / slope: **S**teep, **G**radual / height (in feet))	V, S	
Source water (**R**iver, **St**ream, **G**roundwater, **I**ndustrial discharge, **Su**rface water runoff)	S, G, S	
Tidal influence (**Y**es / **N**o)	N	
Water discharge point (**N**one, **R**iver, **St**ream, **G**roundwater, **W**etlands impoundment)	W, R	
Nature of bottom (**M**uddy, **R**ocky, **S**and, **C**oncrete, **O**ther)	R	
Vegetation present (**S**ubmerged, **E**mergent, **F**loating)		**P**
Obvious wetlands present (**Y**es / **N**o)	Y	
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds,	B	

SPECIFIC EVALUATION OF ECOLOGICAL RECEPTORS / HABITAT	Finding
Mammals, **O**ther)	
Aquatic - Wetlands	
Obvious or designated wetlands present (**Y**es / **N**o)	Y
Wetlands suspected as site is/has (**A**djacent to water body, in **F**loodplain, **S**tanding water, **D**ark wet soils, **M**ud cracks, **D**ebris line, **W**ater marks)	A, S, D, D
Vegetation present (**S**ubmerged, **E**mergent, **S**crub/shrub, **W**ooded)	E, S **P**
Size (acres) and depth (feet) of suspected wetlands	7.2 acres
Source water (**R**iver, **St**ream, **G**roundwater, **I**ndustrial discharge, **Su**rface water runoff)	S, G
Water discharge point (**N**one, **R**iver, **St**ream, **G**roundwater, **I**mpoundment)	S, G
Tidal influence (**Y**es / **N**o)	N
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B

*** P**: Photographic documentation of these features is highly recommended.

Part ❹

ECOLOGICALLY IMPORTANT SPECIES / HABITATS OBSERVED
No endangered species or associated habitats observed. Potential bat roosting trees were observed and recorded.

ATTACHMENT 1
Ecological Scoping Checklist

Site Name	Former Western States Plywood
Date of Site Visit	9/8/2020 - 9/13/2020
Site Location	Port Orford, Oregon
Site Visit Conducted by	Janelle Leeson

Part ❶

CONTAMINANTS OF INTEREST Types, Classes, Or Specific Hazardous Substances ‡ Known Or Suspected	Onsite	Adjacent to or in locality of the facility †

‡ As defined by OAR 340-122-115(30) † As defined by OAR 340-122-115(34)

Part ❷

OBSERVED IMPACTS ASSOCIATED WITH THE SITE	Finding
Onsite vegetation (**N**one, **L**imited, **E**xtensive)	N
Vegetation in the locality of the site (**N**one, **L**imited, **E**xtensive)	N
Onsite wildlife such as macroinvertebrates, reptiles, amphibians, birds, mammals, other (**N**one, **L**imited, **E**xtensive)	L
Wildlife such as macroinvertebrates, reptiles, amphibians, birds, mammals, other in the locality of the site (**N**one, **L**imited, **E**xtensive)	N
Other readily observable impacts (**N**one, **D**iscuss below)	D

Discussion:
Observed impacts to water quality. A sheen on the water surface was observed in the fire suppression pond as well as on the surface of Bagley Creek.

ATTACHMENT 1
Ecological Scoping Checklist (cont'd)

Part ❸

SPECIFIC EVALUATION OF ECOLOGICAL RECEPTORS / HABITAT	Finding

SPECIFIC EVALUATION OF ECOLOGICAL RECEPTORS / HABITAT	Finding	
Terrestrial - Wooded		
Percentage of site that is wooded	2.5	
Dominant vegetation type (**E**vergreen, **D**eciduous, **M**ixed)	D	**P ***
Prominent tree size at breast height, i.e., four feet (<6", 6" to 12", >12")	<6	
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Terrestrial - Scrub/Shrub/Grasses		
Percentage of site that is scrub/shrub	48.8	
Dominant vegetation type (**Sc**rub, **Sh**rub, **G**rasses, **O**ther)	G, Sc	**P**
Prominent height of vegetation (<2', 2' to 5', >5')	<2	
Density of vegetation (**D**ense, **P**atchy, **S**parse)	D	**P**
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Terrestrial - Ruderal		
Percentage of site that is ruderal	24	
Dominant vegetation type (**L**andscaped, **A**griculture, **B**are ground)	B	**P**
Prominent height of vegetation (0', >0' to <2', 2' to 5', >5')	>0	
Density of vegetation (**D**ense, **P**atchy, **S**parse)	S	**P**
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Aquatic - Non-flowing (lentic)		
Percentage of site that is covered by lakes or ponds	0.5	
Type of water bodies (**L**akes, **P**onds, **V**ernal pools, **I**mpoundments, **Lag**oon, **R**eservoir, **C**anal)	P	
Size (acres), average depth (feet), trophic status of water bodies	0.14 acres	
Source water (**R**iver, **St**ream, **G**roundwater, **I**ndustrial discharge, **Su**rface water runoff)	St	
Water discharge point (**N**one, **R**iver, **St**ream, **G**roundwater, **W**etlands impoundment)	St, W	
Nature of bottom (**M**uddy, **R**ocky, **S**and, **C**oncrete, **O**ther)	M	**P**
Vegetation present (**S**ubmerged, **E**mergent, **F**loating)	S, E, F	**P**
Obvious wetlands present (**Y**es / **N**o)	N	
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B, M	
Aquatic - Flowing (lotic)		
Percentage of site that is covered by rivers, streams (brooks, creeks), intermittent streams, dry wash, arroyo, ditches, or channel waterway	1.1	
Type of water bodies (**R**ivers, **S**treams, **I**ntermittent Streams, **D**ry wash, **A**rroyo, **D**itches, **C**hannel waterway)	R, S	
Size (acres), average depth (feet), approximate flow rate (cfs) of water bodies	0.3 acre	**P**
Bank environment (cover: **V**egetated, **B**are / slope: **S**teep, **G**radual / height (in feet))	V, S	
Source water (**R**iver, **St**ream, **G**roundwater, **I**ndustrial discharge, **Su**rface water runoff)	S, G, S	
Tidal influence (**Y**es / **N**o)	N	
Water discharge point (**N**one, **R**iver, **St**ream, **G**roundwater, **W**etlands impoundment)	W, R	
Nature of bottom (**M**uddy, **R**ocky, **S**and, **C**oncrete, **O**ther)	R	
Vegetation present (**S**ubmerged, **E**mergent, **F**loating)		**P**
Obvious wetlands present (**Y**es / **N**o)	Y	
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds,	B	

SPECIFIC EVALUATION OF ECOLOGICAL RECEPTORS / HABITAT	Finding
Mammals, **O**ther)	
Aquatic - Wetlands	
Obvious or designated wetlands present (**Y**es / **N**o)	Y
Wetlands suspected as site is/has (**A**djacent to water body, in **F**loodplain, **S**tanding water, **D**ark wet soils, **M**ud cracks, **D**ebris line, **W**ater marks)	A, S, D, D
Vegetation present (**S**ubmerged, **E**mergent, **S**crub/shrub, **W**ooded)	E, S **P**
Size (acres) and depth (feet) of suspected wetlands	7.2 acres
Source water (**R**iver, **St**ream, **G**roundwater, **I**ndustrial discharge, **Su**rface water runoff)	S, G
Water discharge point (**N**one, **R**iver, **St**ream, **G**roundwater, **I**mpoundment)	S, G
Tidal influence (**Y**es / **N**o)	N
Evidence / observation of wildlife (**M**acroinvertebrates, **R**eptiles, **A**mphibians, **B**irds, **M**ammals, **O**ther)	B

*** P**: Photographic documentation of these features is highly recommended.

Part ❹

ECOLOGICALLY IMPORTANT SPECIES / HABITATS OBSERVED
No endangered species or associated habitats observed. Potential bat roosting trees were observed and recorded.

F Geophysical Survey Report

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Geophysical Survey LLC
711 S Tacoma Street
Kennewick, Washington 99336

September 19, 2020

Derek Pulvino
WSP
720 3rd Avenue, Suite 1700
Seattle, WA 98104

Re: ***Geophysical Investigation***
Western States Plywood
Port Orford, Oregon

Mr. Pulvino:

Geophysical Survey LLC conducted a geophysical investigation at the the Western States Plywood site in Port Orford, Oregon on September 8 & 9, 2020. The objective of the survey was to delineate underground storage tanks (USTs) and areas of buried debris.

Methodology

Electromagnetic Induction (EM-31)

Electromagnetic induction method is based on a transmitting coil radiating an electromagnetic (EM) field which induces eddy currents in the earth. A resulting secondary EM field is measured at a receiving coil as a voltage which is linearly related to the subsurface conductivity.

Terrain (or ground) conductivity is a function of the natural soil matrix and pore fluid electrical conductivity. The depth of investigation is dependent upon the electrical conductivity of the subsurface, the distance between the transmitting and receiving coils, sensitivity of the equipment, and the power of the source. The conductivity value resulting from a measurement is a composite, and represents the combined effects of the thickness of the stratigraphic layers, their depths, their specific conductivity, and any man-made conductive objects that may be present such as metal objects. The quadrature component indicates the bulk apparent conductivity of the volume of ground sampled, in milli-Siemens per metre (mS/m). The in-phase component is expressed in parts per thousand (ppt). Phase changes between the primary and secondary field are used to indicate the presence of metallic objects. In-phase component data provide information on the likely presence of buried metal objects.

Time Domain Electromagnetic Method (EM61)

Time domain electromagnetic methods involve generating a signal of known frequency and voltage from a transmitter. In the presence of metallic objects an EM signal is induced when the transmitted signal is applied. When the transmitter is turned off the induced signal decays at a rate proportional to the metal mass in which it was induced.

The Geonics EM61MK2 consists of a transmitter (Tx) and receiver (Rx) coil and a coincident receiver coil located 30 cm above the bottom coil. The transmitter coil is energized by a pulse of current and the receiver coils measure the response decay at fixed time intervals. Three time gates of data from the bottom coil and the top coil are recorded, differential data is the top coil minus channel 3 bottom coil data. Differential data is useful in negating affects of surface metal.

Ground-Penetrating Radar

Ground-penetrating radar (GPR) uses a transducer to transmit FM frequency electromagnetic energy into the ground. Interfaces in the subsurface, defined by contrasts in dielectric constants, magnetic susceptibility, and to some extent, electrical conductivity, reflect the transmitted energy. The GPR system then measures the travel time between transmitted pulses and arrival of reflected energy. Buried objects such as pipes, barrels, foundations, and buried wires can cause all or a portion of the transmitted energy to be reflected back towards a receiving antenna. Geologic features such as cross-bedding, lateral and vertical changes in soil properties, and rock interfaces can also cause reflections of a portion of the EM energy.

The dielectric constant and magnetic susceptibility of the medium primarily control the velocity of the EM energy. Values of EM velocities, for depth calculations, are determined by measurement, experience in an area, by ties to known buried reflectors, and from knowledge of the subsurface medium.

The depth of investigation is a function of the transmit power, receiver sensitivity, frequency of the antenna, and attenuation of the transmitted energy due to the geologic medium. The maximum depth of investigation may vary significantly as a result of the changing soil conditions. High attenuation, and consequent smaller penetration depths, of the EM energy typically occurs where the soil conductivity is greater than 25 milli-siemens per meter and/or in areas with numerous reflective interfaces. Depth of investigation is also affected by highly conductive material, such as metal drums and pipes that essentially reflect all the energy. The method cannot “see” directly below areas of highly reflective material because all of the energy is reflected.

FIELD SURVEY

Mapping Control

A Trimble Pro6H GPS with sub-foot level accuracy was used for location control.

EM31 Data Acquisition

Electromagnetic data were collected using a Geonics EM31 terrain conductivity meter. Data were collected at 1.0 foot intervals on transects spaced approximately 10 feet apart. EM data were collected using NAV31 software from Geomar on an Allegro CX datalogger.

EM61 Data Acquisition

Electromagnetic data were collected using a Geonics EM61MK2 high sensitivity metal detector. Data were collected at 1.0 foot intervals on transects spaced approximately 5 feet apart. EM data were collected using NAV61 software from Geomar on an Archer data logger.

GPR Data Acquisition

GPR data were acquired with Geophysical Survey Systems, Inc. (GSSI) a GSSI SIR4000 control unit with a 350 MHz antenna. GPR data were collected at 15 scans/foot with a 60 nanoSecond window, approximately 9 feet with a dielectric constant of 8.

DATA PROCESSING

EM31 Data Processing

Electromagnetic data were processed using Trackmaker31 software from Geomar. EM31 quadrature and In-phase data were output to .xyz format and transformed to geo-referenced format using Didger from Golden Software. Data was gridded and contoured using a Kriging algorithm in Surfer 13 from Golden software.

EM61 Data Processing

Electromagnetic data were processed using Trackmaker61 software from Geomar. EM61 channels 1-3 and top coil data were output to .xyz format and transformed to geo-referenced format using Didger from Golden Software. Data was gridded and contoured using a Kriging algorithm in Surfer 13 from Golden software.

GPR Data Processing

GPR data was processed using Radan 7 software from GSSI. Corrections for zero time and a background filter were applied. Anomalies were digitized to CAD format.

RESULTS AND INTERPRETATION

No USTs were detected in the scanned areas. Linear anomalies (abandoned utilities) were flagged in the field and are shown on Figure 2. Metallic anomalies are classified as minor and major based on the EM61MK2 differential response. Minor anomalies are less than 150 mV, major anomalies are greater than 150 mV. The large area EM anomaly in figure 2 is the result of a reinforced concrete slab. The EM anomaly located at E3857976.3, N427367.3 is 1110 milli-volts and was a metal plate approximately 2 inches thick. The EM anomaly located at E 3858013.5, N427435.1 is 460 milli-volts and was a large area with slag and orange stained soils.

CLOSURE

Geophysical surveys performed as part of this survey may or may not successfully detect or delineate any or all subsurface objects or features present. Locations, depths and scale of buried objects or subsurface features mapped as a result of this survey are a result of geophysical interpretation, and should be considered as confirmed, actual, or accurate only where recovered by excavation or drilling.

Geophysical Survey LLC performed this work in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. No warranty, express or implied, beyond exercise of reasonable care and professional diligence, is made. This report is intended for use only in accordance with the purposes of the study described within.

Respectfully,

Geophysical Survey LLC

Mark Villa L.G.
Geophysicist

Geophysical Investigation
Western States Plywood
Port Orford, Oregon

LIST OF FIGURES

Figure 1	Site Map
Figure 2	Geophysical Interpretation
Figure 3	Geophysical Interpretation
Figure 4	Geophysical Interpretation
Figure 5	Geophysical Interpretation
Figure 6	EM61 Electromagnetic Contours
Figure 7	EM31 Electromagnetic Contours
Figure 8	EM31 Electromagnetic Contours

1 Inch = 80 Feet

0 80

Legend

- 2.0 Depth to top in feet
- Unidentified utility
- Major EM Anomaly
- Minor EM Anomaly
- GPR Target

GEOPHYSICAL SURVEY LLC

FIGURE 1
Site Map
Western States Plywood
Port Orford, OR

1 Inch = 30 Feet

0 30

Legend

2.0 Depth to top in feet

Unidentified utility

Major EM Anomaly

Minor EM Anomaly

Geophysical Survey LLC

FIGURE 2
Geophysical Interpretation
Western States Plywood
Port Orford, OR

Legend

2.0 Depth to top in feet

Unidentified utility

Major EM Anomaly

Minor EM Anomaly

1 Inch = 30 Feet

0 30

GEOPHYSICAL SURVEY LLC

FIGURE 3
Geophysical Interpretation
Western States Plywood
Port Orford, OR

1 Inch = 30 Feet

0 30

Legend

2.0 Depth to top in feet

Unidentified utility

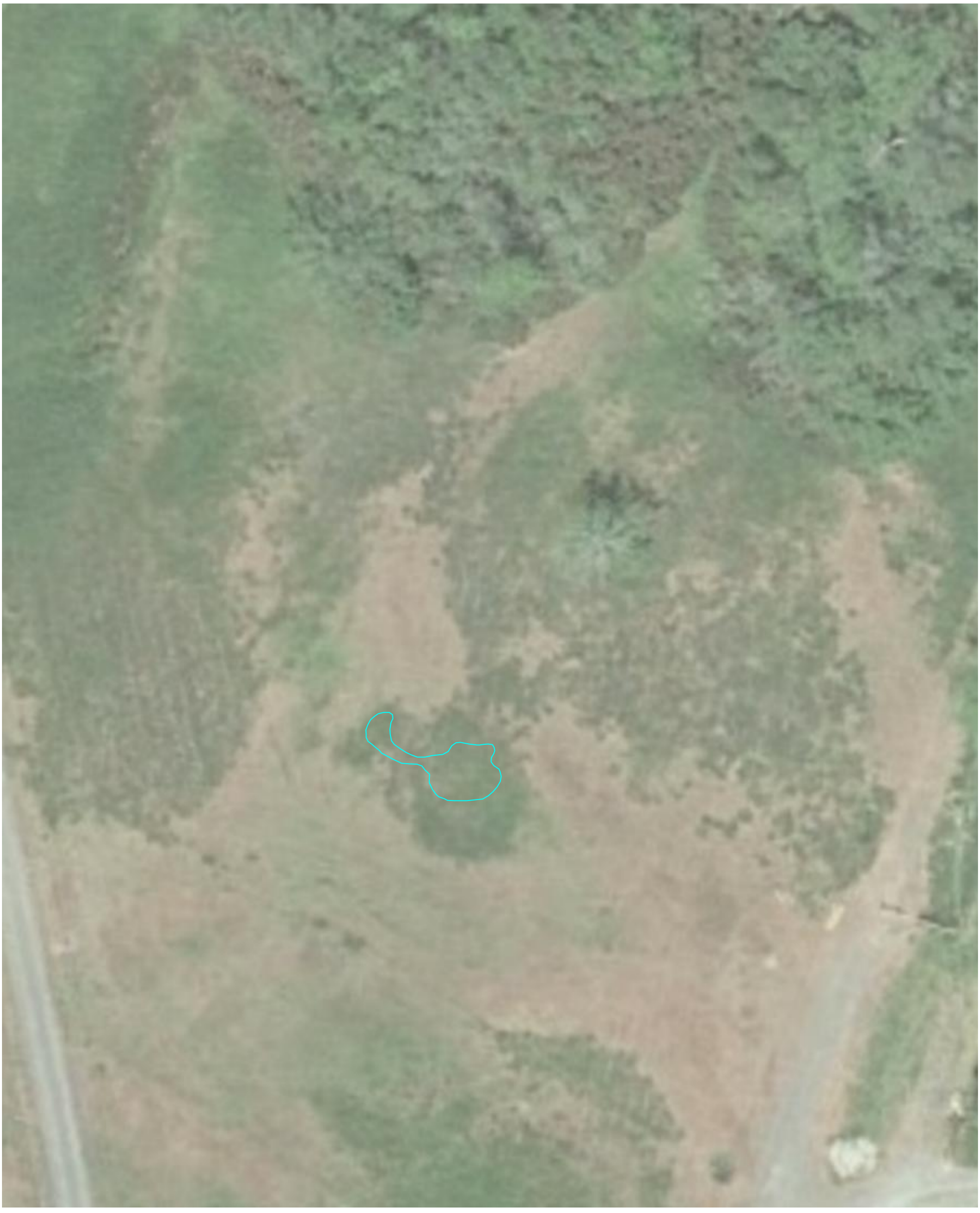
Major EM Anomaly

Minor EM Anomaly

GPR Target

GEOPHYSICAL SURVEY LLC

FIGURE 4
Geophysical Interpretation
Western States Plywood
Port Orford, OR



Legend

2.0 Depth to top in feet

Unidentified utility

Major EM Anomaly

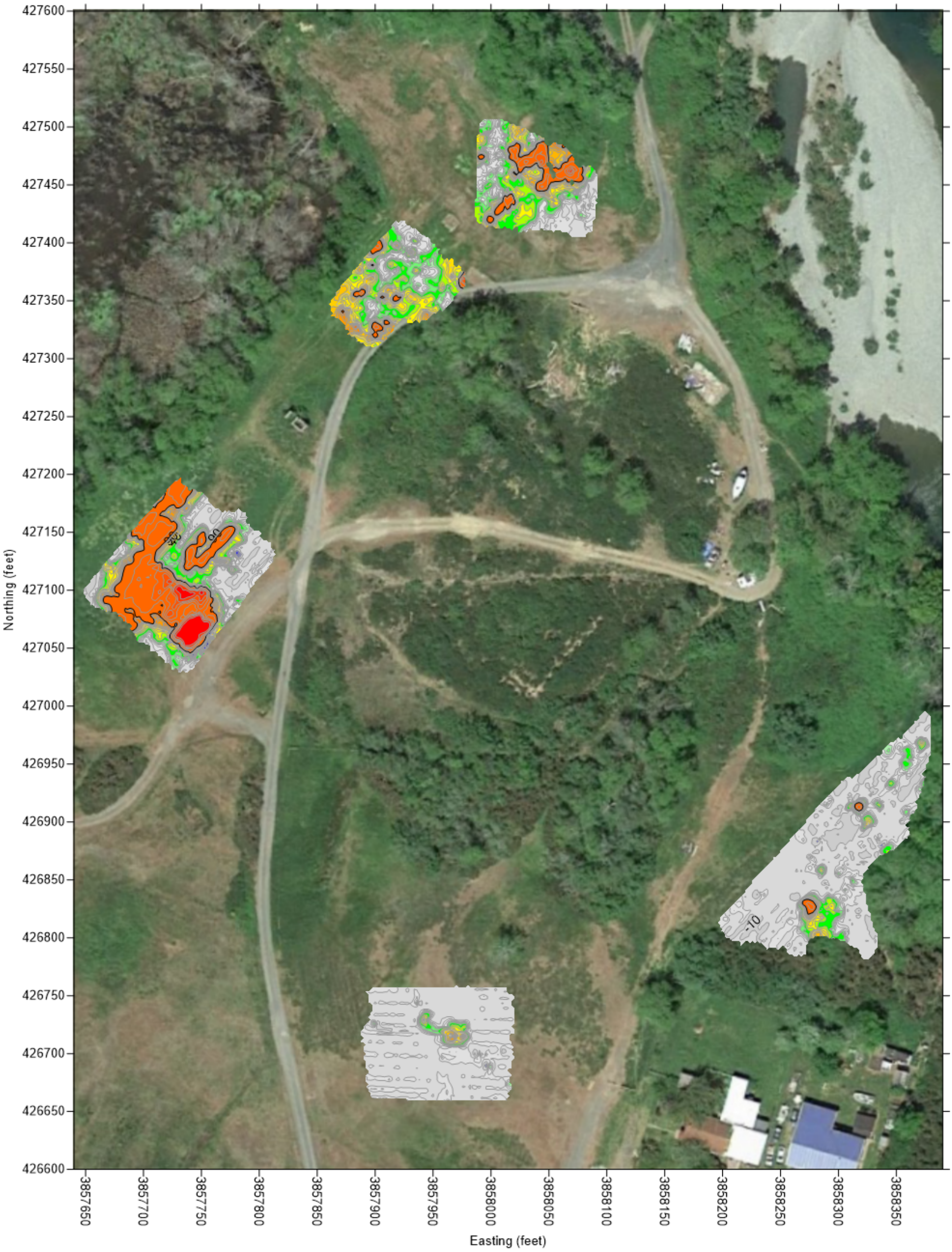
Minor EM Anomaly

1 Inch = 30 Feet

0 30

GEOPHYSICAL SURVEY LLC

FIGURE 5
Geophysical Interpretation
Western States Plywood
Port Orford, OR



Differential Response (mV)

-1000 -90 -70 -50 -30 -10 -2.5 2.5 10 30 50 70 90 110 130 150 600 1200

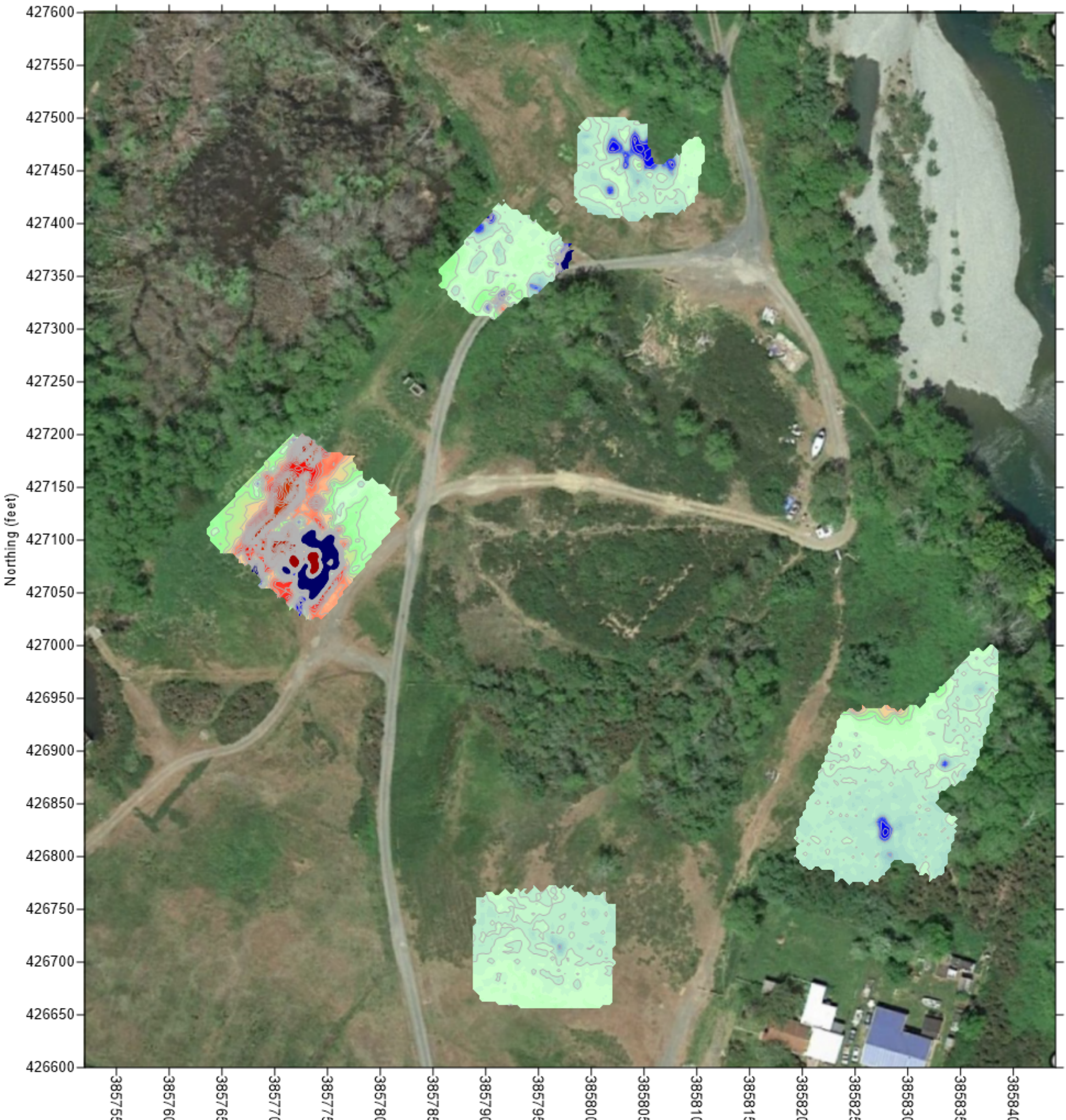
N

0 50 100

Oregon State Plane
NAD83CORS96

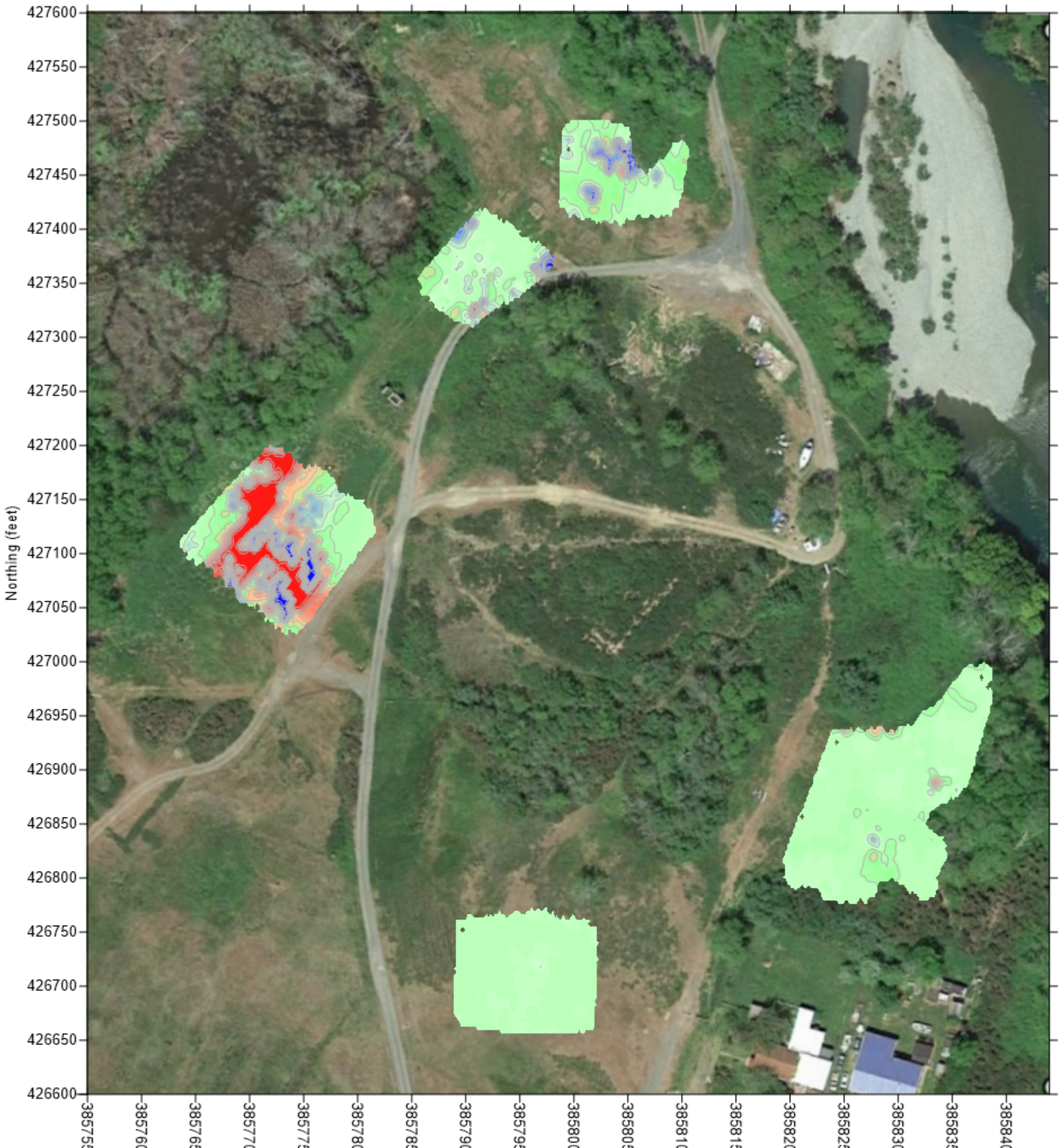
GEOPHYSICAL SURVEY LLC

FIGURE 6
EM Data Contours
Western States Plywood
Port Orford, OR



GEOPHYSICAL SURVEY LLC

FIGURE 7
Apparent Conductivity
Western States Plywood
Port Orford, OR



In Phase Response (ppt)

-22 -20 -18 -16 -14 -12 -10 -8 -6 -4 -2 0 2 4 6 8 10 12 14 16 18 20 22

N

0 50 100

Oregon State Plane
NAD83CORS96

GEOPHYSICAL SURVEY LLC

FIGURE 8
Magnetic Susceptibility
Western States Plywood
Port Orford, OR

G Cultural Monitoring Report and National Historic Preservation Act Correspondence

G. Cultural Monitoring Report and National Historic Preservation Act Correspondence

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OR SHPO SUBMITTAL FORM

RESPONSE REQUIRED IN ALL SECTIONS

WHY

This submittal is (Select One)

- ☐ the First Initiation of Consultation and no SHPO Case # exists
- ☐ a Response to SHPO Request for more information on existing SHPO Case # provided below
- ☑ New Information for review on existing SHPO Case # provided below

20-1081 Existing SHPO Case #

WHAT

Your Project Name: Cultural Resources Survey and Archaeological Monitoring for the Former WSPC Mill Targeted Brownfields Assessme

Your Project Number: AAR 20-2368

Extremely Brief Project/Undertaking Description

Cultural resources survey and monitoring for a targeted brownfields assessment of the former Western States Plywood Cooperative Mill site.

WHERE

Project Location

County(s): Curry

Street Address: City: Port Orford

OR Legal Description T/R/S: T32S R15W SE-27

OR Long/Lat (decimal degrees to 4 decimal places) Long: Lat:

WHO RECEIVES CORRESPONDENCE FROM THE SHPO

If not the Formal Contact, the Working Project Contact is who the SHPO communicates with for more information about the project and/or submittal package

Formal Contact		Working Project Contact (cc'd on all correspondence to Formal Contact)	
Name	Bill Roulette	Name	
Org	Applied Archaeological Research, Inc.	Org	
Address	4001 NE Halsey Street	Address	
Address	Suite 3	Address	
City/ST/Zip	Portland, OR 97213	City/St/Zip	
Phone	(503) 281-9451	Phone	
Email	bill@aar-crm.com	Email	

HOW

Is there a federal nexus for the project (funding, permiting, licensing, etc.)? ☑ Yes ☐ No

Ownership of Project Land? ☑ Private ☐ Public ☐ Both

Additional Comments (Optional)

SUBMITTED TO SHPO FOR

- ☐ Built Environment Review
- ☑ Archaeology Review
- ☐ Both Built and Archaeology Review

SUBMITTAL EMAIL ACCOUNT

ORSHPO.Clearance@oregon.gov

ADDITIONAL ATTACHMENTS (Select All that Apply & Attach Individually)

- ☐ Cover Letter
- ☑ Map(s) (Required for Archaeology if not included in a Report)
- ☑ Oregon SHPO Clearance Form (Built Environment)
- ☐ 106 Documentation Form (Built Environment)
- ☐ Built Environment Only Report
- ☑ Archaeology Report INCLUDING State of Oregon Report Cover Sheet
- ☐ Combined Arch & Built Report INCLUDING State of Oregon Report Cover Sheet
- ☐ BLM or USFS Archaeology Site Record(s) # Indvidually Attached
- ☐ Spatial Data
- ☐ Other 1 (Name It)
- ☐ Other 2 (Name It)
- ☐ Other 3 (Name It)

Report #

State Historic Preservation Office Report Cover Page

Year: 2020

Title: Results of a Cultural Resources Survey and Archaeological Monitoring for the Former Western States Plywood Cooperative Mill Targeted Brownfields Assessment, Port Orford, Oregon

REPORT

Author(s): Michelle R. Lynch and Bill R. Roulette

Agency/Client: United States Environmental Protection Agency/WSP, USA (Formerly Ecology and Environment, Inc.)

District/Contractor: Applied Archaeological Research, Inc.

Agency/Client Report#: 2368 Project Acres: <1 Survey Acres: <1

LOCATION

County(ies): Curry

Township:		Range:		Section(s):	Township:		Range:		Section(s):
32	S	15	W	27					
				Curry					

TESTING

Archaeological Permit Number(s): n/a Accession Number: n/a

Reports submitted to: Tribes: ☐ UOMNCH: ☐ LCIS: ☐ Curation:

Report Addresses Testing: ☐

CONSULTATION

Have tribes been contacted or consulted? Yes List tribes: Coquille Indian Tribe

List any other groups contacted or consulted: Oregon SHPO case number 20-1081

PA/ MOA

Report is associated with: PA ☐ MOA ☐

REPORTS WITHOUT A COMPLETE AND ACCURATE COVER PAGE AND APPROPRIATE ADDITIONAL PAGES MAY BE RETURNED. CHECK THE SHPO WEBSITE TO MAKE SURE YOU HAVE THE MOST CURRENT VERSION.

Report #

SHPO Use

State Historic Preservation Office Report Summary of Resources and NRHP Eligibility

RESOURCES

	Archaeological: Site:	Isolate:	Built Environment:	TCP:	HPRCSIT:	Other:
Count:	0	0	0	0	0	0

***Please be sure all archaeological forms have been submitted on-line**

EVALUATE PROPERTIES UNDER ALL FOUR CRITERIA.
BE SURE TO INCLUDE JUSTIFICATION IN THE REPORT

NRHP ELIGIBILITY

Oregon On-Line Form #:	Trinomial: Temp# or Name:	Criterion A:	Criterion B:	Criterion C:	Criterion D:

APPLIED
ARCHAEOLOGICAL
RESEARCH, INC.
Cultural Resource Management and Historic Preservation

4001 NE Halsey Street, Suite 3
Portland, OR 97232
Phone (503) 281-9451

December 2, 2020

Derek Pulvino
WSP USA
720 3rd Avenue, Suite 1700
Seattle, WA 98104

Re: **Results of a Cultural Resources Survey and Archaeological Monitoring for the Former Western States Plywood Cooperative Mill Targeted Brownfields Assessment, Port Orford, Oregon**
Applied Archaeological Research, Inc., Report No. 2368

Dear Mr. Pulvino:

This report describes the results of a cultural resources survey and archaeological monitoring conducted by Applied Archaeological Research, Inc. (AAR) related to a Targeted Brownfields Assessment (TBA) at the former Western States Plywood Cooperative Mill (WSPCM) site in Port Orford, Curry County, Oregon. The TBA was performed under the direction of the Environmental Protection Agency (EPA). The EPA's involvement makes the TBA an undertaking of the federal government that is subject to the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations, 36 CFR 800 (Section 106). Section 106 requires that federal agencies with lead roles in undertakings consider the effect the projects may have on historic properties. The EPA contracted with a division of WSP, USA (WSP), formerly known as Ecology and Environment, Inc. (E&E), to provide technical assistance and support for the TBA under Superfund Technical Assessment and Response Team (START) IV contract number EP-S7-13-07. As part of that effort, WSP retained AAR to assist the EPA in its compliance with Section 106. AAR's fieldwork was conducted in accordance with recommendations made by the Oregon State Historic Preservation Office (SHPO) under SHPO Case No. 20-1081 and the Coquille Indian Tribe (CIT).

Michelle R. Lynch, M.A., RPA 429967347, performed the cultural resources survey and monitoring. Because of the potential for contaminants to be present, the fieldwork was conducted under a health and safety plan prepared and approved in advance of the site visit. Ms. Lynch has completed 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) 29 CFR 1910.120(e) training and has current certification. All project tasks were conducted under the technical supervision of Bill R. Roulette, M.A., RPA 11132, who served as Principal Investigator. Ms. Lynch and Mr. Roulette both meet the Secretary of the Interior's professional qualification standards.

Project Setting

The WSPCM site encompasses 21.13 acres in the southeast quarter of Section 27, Township 32 South, Range 15 West, Willamette Meridian (Figure 1). It includes Curry County Tax Lots 104, 900, 901, and 902 (Figure 2). It is situated roughly 2.8 miles inland from the Pacific coastline on the alluvial plain of the Elk River. The river partly forms its eastern boundary. Elk River Road delimits its southern boundary and property lines define it in other directions.

Bagley Creek flows into the WSPCM site from the west via a culverted channel to feed two manmade ponds, which are separated by a dam with a concrete spillway. The creek exits the site through a narrow channel excavated across an earthen dike on the north side of the larger of the two ponds that formerly was used for log storage. The channel was constructed to allow the creek to discharge into the

Elk River. However, it is frequently dammed by beavers, impounding water in the pond during summer months (WSP 2020). As a result, the larger pond is now a wetland (Figure 4). Additional wetlands are found along Bagley Creek, Elk River, and in parts of Tax Lots 902 and 903 (Curry County GIS 2020; WSP 2020).

At present the WSPCM site is vacant and open (Figure 5). It has gently rolling surface topography, and slopes gradually toward the river before dropping off steeply along its northern edge. Elevations across it are between approximately 55 and 95 feet (ft) above mean sea level (amsl). Its surface is visibly disturbed and in places appears artificially level. It is overgrown with grasses and various weeds and forbs. Thick gorse and Himalayan blackberry patches that grew within it had recently been cleared at the time of the fieldwork. Vegetation in and around the ponds includes cottonwood, alder, and maple trees, fern, and various water-tolerant grasses and sedges.

Project Background

The Wild Rivers Land Trust proposes to restore wetlands that are located within the WSPCM site. Previous environmental studies of the site have shown that soil and ground water in it are contaminated or potentially contaminated with gasoline, diesel, heavy oil, formaldehyde, dioxins, and various other volatile and semi-volatile organic compounds. Additionally, a previous geophysical survey of the site identified multiple subsurface anomalies that may be underground fuel storage tanks. If present, the substances have the potential to negatively affect public health, welfare, and the environment, and the property would require environmental remediation prior to its development. The TBA was done to determine the presence or absence of contaminants in the soil and groundwater at the site. It involved ground disturbing activities that were used to collect samples of surface soils, subsurface soils, and groundwater.

On July 29, 2020, the EPA sent letters to the CIT and the SHPO to initiate Section 106 consultation ahead of the TBA. WSP received comments from CIT on July 30, 2020, and from SHPO on August 28, 2020. Because the WSPCM site had not previously been surveyed and was assessed as having a high probability to contain undocumented cultural resources, both parties recommended a cultural resource study in advance of the environmental investigations. Citing the presence of archaeological resources in the vicinity, the Tribe additionally requested that an archaeologist be on-site to monitor all ground disturbing activities within the area of potential effect (APE) defined for the TBA. Following the review and comment period, WSP began its investigation.

AAR coordinated the project field schedule with Kassandra Rippee, the CIT Tribal Historic Preservation Officer (THPO), via telephone calls and emails. CIT cultural staff were invited to participate, and the timing of the field activities were communicated. Copies of the email communications are attached to this report as Appendix A.

Results of Record Review

A review of records available through SHPO's Oregon Archaeological Records Remote Access (OARRA) web portal indicates that the WSPCM site has not previously been surveyed and that it contains no recorded archaeological sites. OARRA indicates that only two archaeological investigations have taken place within one mile of it. Both were linear corridor surveys. One was limited to an inspection of the ground surface (LaLonde 2009), and the other included surface and subsurface investigations (McCormick and Roulette 2010). Neither resulted in the identification of archaeological resources within one mile of the project APE.

The nearest recorded archaeological resource, 35CU129, is located about 1.2 miles to the east. As recorded, the site is a low-density lithic scatter consisting of two projectile points and several pieces of debitage (Pullen 1980).

Historical Background

The WSPCM operated from 1952 until 1974. At its height, the mill employed over 100 people (Nelson 2010). The facility included mills for producing plywood and studs, a boiler house, a glue resin storage building, offices, a maintenance building, an oil-house and fueling area, various ancillary aboveground tanks, two wigwam burners, log storage areas, and the two manmade ponds (Figure 6). Historical aerial photographs depict what appear to be multiple waste/debris disposal areas across the mill property, including a large area on the east side of Tax Lot 902 (WSP 2020).

The WSPCM ceased operations in 1974 due to changing market conditions (Nelson 2010). The mill complex was largely destroyed by a fire in 1976 and many of the remaining structures were removed by 1980. The wigwam burners and most of the building foundations were cleared from the property by 2006 (WSP 2020).

APE for Archaeological Work

The APE for the TBA was the focus of the archaeological survey. It was composed of discrete locales within the WSPCM site including where 17 test trenches and 15 geoprobe borings were excavated, eight locations where 30-point "multi-increment" composite surface soil samples were collected, which were referred to as decision units (DUs), nine locations where sediment samples were collected from the two ponds, and where 19 temporary groundwater monitoring wells were installed. Figure 2 shows the location of TBA activities within the WSPCM.

Archaeological Survey Methods and Results

Archaeological fieldwork at the WSPCM site was conducted between September 8 and 14, 2020. Email correspondence related to the fieldwork approach is included in Appendix A. Copies of the fieldnotes kept during the work are attached to this report as Appendix B.

Fieldwork began with an archaeological pedestrian survey that was conducted in advance of TBA activities. Because the APE is composed of small and discrete disturbance areas, during the survey it was more efficient to examine the ground surface throughout the parts of the WSPCM where TBA activities would be conducted rather than the individual TBA activity areas. During the survey, the ground surface was examined using a series of pedestrian transects spaced no more than 20 meters (m) apart.

Because of vegetation, ground surface visibility was poor, generally around 10 percent. No artifacts were observed on the ground. A few mill-related features were noted. They included remnant concrete structures and foundations (Figure 3), graveled access roads, and the two manmade ponds with associated dikes and dams.

Following the surface survey, 10 shovel test probes (STPs) were excavated to search for buried archaeological deposits. They were placed at or near where test trenches were to be excavated. STPs were not excavated in areas where TBA activities involved minimal ground disturbance, within the built earthen dike on the north side of the log storage pond, or in areas suspected to contain high levels of soil contamination.

The STPs were minimally 30 centimeters (cm) in diameter and were excavated to a minimum depth of 50 cm below surface (cmbs) where possible to do so, in arbitrary levels that were no more than 10 cm thick. All excavated sediment was sifted through one-eighth-inch mesh hardware cloth. Afterward, the STPs were completely backfilled and their locations were recorded using a handheld Trimble Geo7X global positioning system (GPS) device.

Excavations in STPs 1 through 4 reached 50 cmbs (Table 1). In STPs 5 through 9 they were halted between 30 and 40 cmbs due to impassable gravels and cobbles. Excavations in STP 10 extended to 80 cmbs. Soil profiles observed in the STPs appeared disturbed. Sediments observed in most of the probes contained a high clast fraction, which is atypical of the typic pedon for Ekoms loam, 0 to 12 percent slopes, that is mapped in the local area. Ekoms loam is characterized by a surface layer of very dark grayish brown to dark yellowish-brown loam that is about 12 cm thick. It is underlain by a series of B horizons that consist of dark brown or brown clay loam to a depth of 30.5 cmbs over two layers of dark yellowish-brown gravelly clay loam to 111.8 cmbs. Beneath these, the C horizon is a yellowish-brown sandy loam (Fillmore 2005).

No objects demonstrably 50 years of age or older were found in the STPs. Small amounts of non-dateable and nondiagnostic items such as wire nails and vessel glass fragments were found in the upper 30 cm of STPs 1, 2, 4, and 5. STP 1, placed near the potential waste disposal area, featured a compact layer of coke and slag clinker from 20 to 50 cmbs. The items could not be dated to the historic era using technological attributes or manufacturing marks. The manufacturing waste could date to historical mill operations or to mill activities conducted in the modern era.

Archaeological Monitoring Methods and Results

All project-related earthmoving activities that created observable soil exposures were monitored. These included the excavation of the test trenches, the geoprobe borings, and where the composite surface soil samples were collected. For AAR's recordkeeping, the sampling units for each activity were numbered consecutively and given the prefix "T" (trenches), "GP" (geoprobes), or "DU." WSP field teams that conducted test trenching and geoprobe boring worked concurrently and often in different parts of the APE. Initially, monitoring focused on trench excavations as they created the largest soil exposures. Samples from the geoprobe bores were inspected as opportunity allowed. Composite surface soil sampling began after trench excavations were completed. The sampling areas were near the remaining geoprobe boring locations, and the archaeologist was able to monitor both activities.

TBA activities that did not create observable soil exposures and were not monitored included the collection of nine sediment samples from the ponds and the installation of 19 temporary groundwater monitoring wells that were directly pushed to the groundwater table without first collecting a soil core.

Test trenches were placed throughout the APE. They were generally about 3 m long, 1 m wide, and excavated to between 1.3 and 3.28 m below surface (mbs). The excavation work was done by Stratus Corporation using a Caterpillar 305E compact hydraulic excavator equipped with ca. 40-cm wide toothed bucket. During excavations, the archaeologist maintained a constant line of sight to the area being disturbed and closely examined horizontal and vertical soil exposures as they were created. Individual lifts were generally on the order of 15 to 30 cm thick. The equipment operator was given greater leeway when excavating in sediment identified as fill. Lifts were shallower in sediment suspected of being native. During breaks in the excavation work, the archaeologist inspected excavation spoil piles. Locations of the test trenches were recorded using the same equipment and procedures used for the STPs.

Table 1. Summary of STP Soil Profiles and Findings

Unit	Depth (cmbs)	Soil Description	Findings
STP 1	0-20 20-50	Dark brown (10YR 3/3) loam; dry; hard; 20% gravels and pebbles. Compact clinker layer with lots of coke and slag.	10-20 cmbs: nail, wire (1) 20-30 cmbs: glass fragment, colorless (1); nail, wire (2)
STP 2	0-50	Dark brown (10YR 3/3) loam; dry; fine subangular friable peds; >50% poorly sorted gravels to cobbles. Likely fill soil.	20-30 cmbs: vessel glass fragment, colorless (1)
STP 3	0-50	Dark brown (10YR 3/3) loam; dry; fine subangular friable peds; >50% poorly sorted gravels to cobbles. Likely fill soil.	No archaeological materials observed
STP 4	0-50	Dark brown (10YR 3/3) loam; dry; fine subangular friable peds; >50% poorly sorted gravels to cobbles. Likely fill soil.	0-20 cmbs: vessel glass fragment, colorless (3) 20-30 cmbs: vessel glass fragment, amber (1)
STP 5	0-30	Dark brown (10YR 3/3) loam; dry; >50% gravels. Terminated in impenetrable gravels.	No archaeological materials observed
STP 6	0-10 10-30	Brown (10YR 4/3) loam; dry; compact; 30% pebbles and cobbles. Light brown (10YR 6/4) loam; compact; ~ 30% pebbles. Two large cobbles blocking excavation @ 30cmbs.	No archaeological materials observed
STP 7	0-40	Brown (10YR 4/3) loam; 50% pebbles and cobbles. Terminated in cobbles.	No archaeological materials observed
STP 8	0-30	Brown (10YR 4/3) loam; 50% very compact gravels to cobbles. Terminated in cobbles.	No archaeological materials observed
STP 9	0-30	Dark brown (10YR 3/3) loam with 10% gravels. Terminated in small boulder.	No archaeological materials observed
STP 10	0-30 30-50 50-80	Dark yellowish-brown (10YR 3/4) loam; dry; 30% angular basalt fill gravels. Dark reddish-brown (10YR 3/4) clay loam; gray and yellow mottles; <1% gravels. Brown (7.5YR 4/4) clay loam; <1% gravels and angular decomposing gravels.	No archaeological materials observed

Bore holes were excavated across the APE using a truck-mounted Geoprobe direct-push sampling machine. Seven were installed at a location of a test trench. They were advanced as continuous core samples in 1.12-m sections to a maximum depth of 8.22 mbs or until groundwater was encountered. Sample collection was selective and typically focused on the 1.12-m intervals directly beneath the ground surface and immediately above the water table, though several bores were continuously logged to better define the near-surface geology. Core samples were collected in 4-cm diameter PVC liners advanced within the outer, 5.26-cm diameter Geoprobe core rod. Once extracted, the case containing the soil column was opened (Figure 7). When able to do so, the archaeologist visually inspected and photographed the contents.

The surface soil samples were taken from the upper 2.5 cm of surface soil using a 4-cm-diameter multi-increment sampling tool. DU1 was located along the northeast side of the log storage pond, DUs 2 through 7 were in areas formerly occupied by the wigwam burners, and DU 8 was in the southern part of the site, in the grass field near Elk River Road. Each soil sample increment and the hole created by its collection was visually inspected by the archaeologist for cultural materials.

Like the soils observed in the STPs, soils seen in the surface samples and geoprobe boring cores were gravelly but otherwise similar in appearance to the description for Ekoms loam. No artifacts were observed in the geoprobe boring cores or the surface soil samples.

Soil profiles observed in the trenches varied by location (Table 2). In general, the upper layers were disturbed or composed of fill and the lower layers appeared to be intact native sediments. T1, T2, T3, T7, T11, and T12 were excavated east, west, and south of the log storage pond. The upper layer in

Table 2. Summary of Test Trench Monitoring Observations

Trench	Depth (mbs)	Soil Description	Findings
T1	0-1.5 1.5-1.7	Dark brown loam; dry; friable peds; >50% poorly sorted gravels to cobbles. Black moist clay loam; 10% gravels.	1.2 mbs: metal cable 1.5 mbs: wet, woody debris
T2	0-1.0 1.0-1.9 1.2-2.3 2.3-2.7	Dark brown loam; dry; friable peds; >50% poorly sorted gravels to cobbles. Yellowish brown clay; compact; orange and gray mottles. Dark grayish-brown sand. Dark grayish-brown sand; degrading rocks.	No archaeological materials observed
T3	0-1.0 1.0-1.8 1.8-2.1	Dark brown loam; dry; friable peds; many alluvial cobbles. Dark brown loam; dry; friable peds. Dark brown clay loam; 1% gravels to cobbles; grading into yellowish-brown compact sandy clay loam.	0-1.0: rebar, concrete chunks 1.0 mbs: steel plate 1.8 mbs: steel pipe
T4	0-0.2 0.2-0.3 0.3-0.5 0.5-1.0 1.0-1.7 1.7-1.8 1.8-3.0	Dark brown loam; dry; >50% gravels. Black burn layer with high coke and slag content. Compacted layers of ash. Red loam; burnt. Strong brown medium-coarse sand. Yellowish-brown clay. Light brownish-gray sand layers; <1% pebbles to cobbles.	0-0.2 mbs: 1 piece of metal strapping in the side wall
T5	0-0.2 0.2-0.3 0.3-0.5 0.5-1.0 1.0-1.7 1.7-1.8 1.8-2.9	Dark brown loam; dry; >50% gravels. Black burn layer. Compacted layers of ash. Red loam; burnt. Strong brown medium-coarse sand. Yellowish-brown clay. Light brownish-gray sand layers; <1% pebbles to cobbles.	No archaeological materials observed
T6	0-0.2 0.2-0.3 0.3-0.5 0.5-1.0 1.0-1.7 1.7-1.8 1.8-2.2	Dark brown loam; dry; >50% gravels. Black burn layer. Compacted layers of ash. Red loam; burnt. Strong brown medium-coarse sand. Yellowish-brown clay. Light brownish-gray sand layers; <1% pebbles to cobbles.	No archaeological materials observed
T7	0-0.5 0.5-1.0 1.0-1.7 1.7-2.9	Brown loam; dry; compact; 30% pebbles and cobbles. Strong brown loam. Grayish-brown clay. Yellowish-brown clay.	No archaeological materials observed
T8	0-3.1	Layers of dark brown loam; many gravels to cobbles; slag and wood debris.	1.5 mbs: metal spike (2), wire (1)
T9	0-2.5 2.5-2.7 2.7-3.1	Layers of dark brown loam; many gravels to cobbles; slag and wood debris. Gray clay; damp. Black clay loam; damp; <1% pebbles.	1.2 mbs: wooden pile (1)
T10	0-1.2 1.2-1.8	Dark grayish-brown loam; many gravels to cobbles, <1% small boulders; slag, wood fragments, charcoal intermixed Very dark grayish-brown clay with burnt decaying wood intermixed.	No archaeological materials observed
T11	0-1.3	Brown loam; 50% extremely compact gravels to cobbles.	No archaeological materials observed
T12	0-1.3 1.3-1.8 1.8-2.7	Brown loam; 50% very compact gravels to cobbles. Yellowish-brown clay. Very dark brown clay.	1.2 mbs: wooden board (1)
T13	0-0.9 0.9-1.5 1.5-2.1	Dark brown loam; 10% gravels. Brown loam; dry; friable peds; many alluvial cobbles. Black sand; moist; many alluvial cobbles.	0.5 mbs: 55-gallon drum (1), wooden board fragments
T14	0-1.5 1.5-1.8 1.8-2.1	Yellowish-brown silt loam; 10% gravels to cobbles. Dark yellowish-brown sand; many alluvial granules to cobbles. Very dark gray sand; many alluvial cobbles.	0.3-1.5 mbs: Metal strapping, 55-gallon drum, wire, plastic bag, metal debris, coke
T15	0-0.5 0.5-1.5	Yellowish-brown silt loam; 10% gravels to cobbles. Dark yellowish-brown sand; many alluvial granules to boulders.	No archaeological materials observed
T16	0-1.2 1.2-2.3	Yellowish-brown silt loam; dry; friable peds; 5% gravels to cobbles. Dark brown and black clay loam layers. Both layers have strong odor of petroleum products.	0.2-1.2 mbs: wire; foam; rug; metal pipes; plastic, metal, and window glass fragments
T17	0-0.2 0.2-0.3 0.3-0.6 0.6-1.7	Very dark brown fine loam/ash mix; burnt wood, charcoal intermixed Charcoal band with burnt earth/ash layer directly beneath it. Very dark brown fine loam/ash mix. Very dark brown loam; wood debris intermixed.	No archaeological materials observed

them consisted of gravelly brown or dark brown loam that was between 50 cm and 1.5 m thick. The layer was thinner in the trenches placed on the western side of the log storage pond than elsewhere but contained higher amounts of gravels that were extremely compact. A metal cable was observed in fill sediments at 1.2 mbs in T1 and wet, woody debris was encountered at the base of the fill. Fill sediments in T3 extended to 1 mbs and contained rebar and chunks of concrete. A large steel plate was exposed at the base of the fill in the east half of the trench. Excavations continued in the west half only and encountered a 15-cm diameter galvanized steel pipe that crossed the trench from north to south.

T13, T14, and T15 were excavated in the potential waste disposal area. In T13, the upper soil layer extended to 1 mbs and contained wooden board fragments and a 55-gallon drum. The drum lacked labels and other markings and could not be dated. T14 was placed atop a buried refuse deposit that extended from 50 cm to 1.5 mbs. Excavations exposed nondiagnostic scrap metal items and some coke. Items observed included an unmarked 55-gallon drum, metal strapping, wire fragments, large metal bars, and a plastic bag.

T4, T5, T6, and T17 were excavated in the area that formerly contained two wigwam burners. T4, T5, and T6 featured an approximately 20-cm thick surface layer of gravelly dark brown loam fill that topped a sequence of layers of burnt material consisting of a 10-cm thick layer of black soil, followed by burnt soil to 30 cmbs, a compact layer of ash to 50 cmbs, and a bright red loam layer to 1 mbs (Figure 8). Layers of native clay and sand were observed below that depth. T17 was placed atop a large push pile. Sediments in the upper 60 cm of the trench were made up of layers of very dark brown loam intermixed with charcoal, ash, and burnt earth. Below that soils were a very dark brown loam intermixed with woody debris.

T8, T9, and T10 were placed on earthen dike on the northeast side of the log storage pond. Soils consisted of various shades of gravelly dark brown loam that contained demolition debris, slag, and charcoal. In T9 and T10, they overlay one or more layers of damp clay that varied in color from gray to black. In addition to the demolition debris, a wooden pile crossed T9 at 1.2 mbs.

T16 was placed in a depression that may represent a refuse disposal pit that was excavated and later backfilled. Between 15 cm 1.2 mbs the trench contained assorted objects including a fabric rug, lengths of metal pipe, foam, wire, and fragments of metal, window glass, and plastic (Figure 9). Deposits of a gray substance identified as a petroleum product were also noted. Soils in the trench were disturbed and had a strong chemical odor.

As with the items of material culture found in the STPs, the objects observed during the archaeological monitoring could not be dated to the historic era based on technological attributes or manufacturing marks. The items likely represent refuse related to mill operations, which extended into the modern era. Some items could have been imported to the mill site within fill material, which was deposited at an unknown date.

Summary and Conclusion

During archaeological fieldwork, items of material cultural were observed in the APE for the TBA. However, none of the items could be dated to the historic era using technological attributes or manufacturing marks. Because of this, they have not been recorded as an historic-era archaeological resource.

In AAR's opinion, the procedures described in this report represent a good faith effort to identify historic properties located in the APE of the TBA. No historic properties were identified. AAR recommends a finding of **no effect on historic properties** for the TBA and that no additional cultural resource investigations are warranted in the APE for the TBA. The recommendation cannot be extended to the entire WSPCM site. Future developments in the parts of the WSPCM outside of the APE for the TBA should be carefully reviewed for their potential to impact cultural resources.

Closure

If you have any questions concerning AAR's fieldwork, or this report, please contact the second author at 503-281-9451, or via email at bill@aar-crm.com. Thank you.

Sincerely,

Michelle R. Lynch, M.A., RPA
Project Archaeologist

Bill R. Roulette, M.A., RPA
Principal Investigator

Attachments

References Cited

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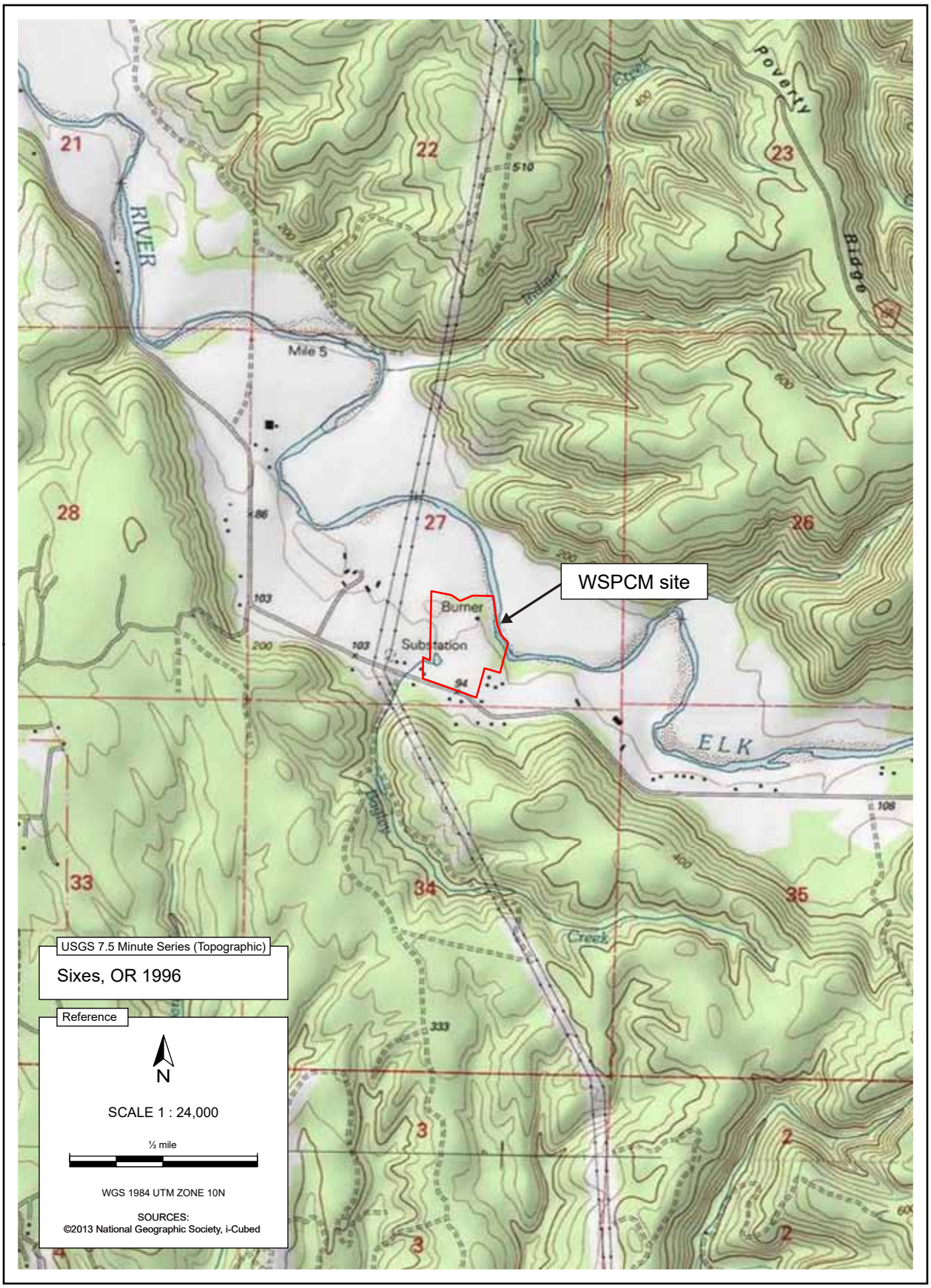

Figure 1. Location of Western States Plywood Cooperative Mill (WSPCM) site.

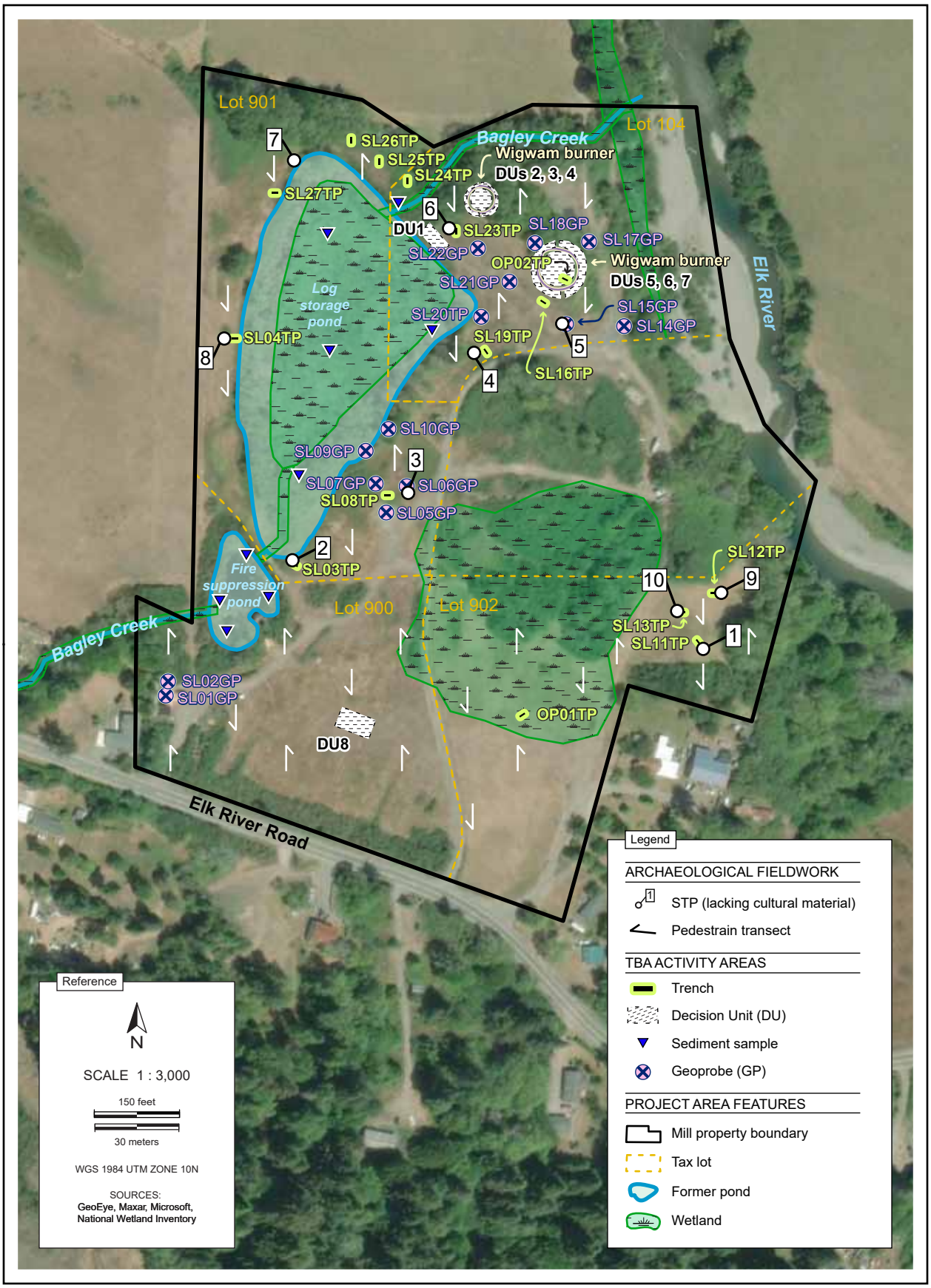

Figure 2. Aerial photomap of the Western States Plywood Cooperative Mill (WSPCM) showing locations of the Targeted Brownfields Assessment (TBA) activities, pedestrian transects, and STPs.

Figure 3. Overview of the fire suppression pond and structural remains of the pump house. Bagley Creek feeds the pond through a culvert seen on its far side. View is southwest.

Figure 4. Overview of wetlands within the former log storage pond and the earthen dike along its north side. View is southeast.

Figure 5. Representative overview of the WSPCM site showing topography, vegetation, and typical conditions at the time of the fieldwork. View is southwest.

Figure 6. Aerial overview of the WSPCM complex taken in 1973. View is northwest.

Figure 7. View of typical sequence of soil layers observed in the core samples.

Figure 8. Bright orange soils exposed in Trench 4. View is northwest.

Figure 9. View of petroleum product deposits (gray substance) and refuse seen on the spoil pile for Trench 16.

APPENDIX A

Project Related Communications

Thank you, I look forward to receiving the report.

Shuenhalni (take care),
Kassie

Kassandra Rippee
Tribal Historic Preservation Officer (THPO)
Coquille Indian Tribe
495 Miluk Drive
Coos Bay, Oregon 97420

m: 541-808-5554
o: 541-756-0904 x1216
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KassandraRippee@coquilletribe.org
THPO@coquilletribe.org
pronouns: she/her

From: Michelle Lynch <michelle@aar-crm.com>
Sent: Wednesday, September 16, 2020 10:26 AM
To: Kassandra Rippee <KassandraRippee@coquilletribe.org>
Cc: Bill Roulette <bill@aar-crm.com>; Pulvino, Derek <Derek.Pulvino@wsp.com>
Subject: SHPO Case Nbr 20-1081, EPA, Former Western States Cooperative Plywood Mill

Hi Kassie,

I've finished the fieldwork for the targeted brownfields assessment at the former Western States mill site in Port Orford. Prior to archaeological monitoring I completed a pedestrian survey of the APE and, where it was possible to do so, dug an STP at the locations where the soil test trenches would be excavated. I didn't find any cultural materials on the ground surface or in any of the STPs. Artifacts that I observed while monitoring the test pit excavations were limited to refuse related to the mill. I also examined shallow and deep subsurface soil samples as they were collected. I didn't observe cultural materials in any of the samples.

I'll be working on my report for the project in the coming weeks. In the meantime, please let me know if you have any questions.

Best,

Michelle Lynch / Project Archaeologist
Applied Archaeological Research, Inc.
4001 NE Halsey Street, Suite #3 / Portland, Oregon, 97232

Phone: 503.281.9451 / Email: michelle@aar-crm.com

From: Michelle Lynch
Sent: Thursday, September 3, 2020 12:30 PM
To: Bill Roulette
Subject: RE: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

Hi Derek,

I spoke with Kassandra this morning and answered her questions about our planned monitoring approach. She shared SHPO's concern that the property hasn't been previously surveyed and agreed that our plan to excavate a shovel test probe at the locations of the backhoe test pits was an acceptable solution. The Tribe doesn't have an archaeologist available to join us on site. Instead I'll provide Kassandra with updates on my findings.

Please plan on each of my probes taking up to 45 minutes to dig, depending on soil conditions. Will there be any breaks in the backhoe test pit excavation or other opportunities I can use to dig probes and get out ahead of things?

I'll be heading down to Bandon on Tuesday. You mentioned that you would probably be staging equipment on site that day. Should I come by the site, or just plan on meeting up on Wednesday morning?

Thanks,
Michelle

From: Bill Roulette
Sent: Wednesday, September 2, 2020 5:10 PM
To: Michelle Lynch
Subject: FW: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

See below

From: Pulvino, Derek [mailto:Derek.Pulvino@wsp.com]
Sent: Wednesday, September 2, 2020 4:34 PM
To: Bill Roulette
Cc: Perkins, Brandon (Perkins.Brandon@epa.gov)
Subject: RE: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

Bill,

I also just got a call from Kassandra Rippee with the Coquille Tribe. For the purposes of her coordinating their staff for the project, I let her know work was planned for next week. I deferred from providing much more detail on the planned approach to monitoring, suggesting you'd be a better contact for that information.

She asked if you or someone from AAR could give a call tomorrow? Her number is 541-808-5554.

DEREK PULVINO
Senior Environmental Scientist
t: 206-624-9537 xt 3613
m: 206-419-3420

Ecology and Environment, Inc.
Member of WSP
720 3rd Ave, Suite 1700, Seattle, WA 98104

www.ene.com

On September 2, E&E will rebrand to WSP

Bill Roulette to Derek Pulvino

Tue 9/1/2020 10:23 AM

Derek,

I've spoken to Jennifer. She is comfortable with the approach we've discussed. She and I are both mainly concerned with the locations of the backhoe pits. As I've described, we'll sample those area in advance of your testing. We'll use shovel test probes minimally 40 centimeters in diameter. They will be excavated in levels that are approximately 10 centimeters thick. Most of the excavated material will be passed through hardware mesh with a quarter-inch aperture. A sample of the material will be passed through mesh with an eighth-inch aperture. The testing activity can proceed if nothing is found in the probe.

If items of cultural material are found in the probe, our archaeologist (Michelle Lynch) will assess them on the spot. If, in her professional opinion, the materials are not potentially significant, your testing work could proceed. Examples of material assessed as not potentially significant could include chunks of concrete, sawdust, flat glass, wire nails, and recognizably modern objects. If the material is potentially significant, the test pit location would be relocated and the process repeated. It she finds pre-contact archaeological material, the sampling unit would need to be relocated and the process would be repeated.

I will contact Jaimie French at the Oregon SHPO and describe this approach. Hopefully, it will be acceptable.

Bill R.
Bill Roulette / President / Principal Investigator
Applied Archaeological Research, Inc.
4001 NE Halsey Street, Suite 3,
Portland, OR 97232
Phone 503 281 9451 / Email bill@aar-crm.com

From: Pulvino, Derek [mailto:DPulvino@ene.com]
Sent: Tuesday, September 1, 2020 9:00 AM
To: Bill Roulette

Subject: FW: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

This is from the COE,

DEREK PULVINO
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m: 206-419-3420
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From: Bertolani, Jennifer K CIV USARMY CENWS (USA) <Jennifer.K.Bertolani@usace.army.mil>
Sent: Monday, August 31, 2020 2:32 PM
To: Pulvino, Derek <DPulvino@ene.com>; Perkins, Brandon <Perkins.Brandon@epa.gov>
Subject: RE: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

Hi Brandon,

Just read through the letter and it does look like they suggest a cultural survey of the property. Because SHPO provided comments within the allotted 30days but did not provide concurrence, If EPA moves forward with the project, EPA will be out of compliance with Section 106 of the NHPA. Therefore, based on the letter, EPA needs to complete the cultural inventory and provide the results and revised determination to SHPO for concurrence.

I know it's not the news you were hoping for but let me know if I can assist in anything else.

Best

Jen

From: Pulvino, Derek <DPulvino@ene.com>
Sent: Monday, August 31, 2020 6:54 AM
To: Perkins, Brandon <Perkins.Brandon@epa.gov>; Bertolani, Jennifer K CIV USARMY CENWS (USA) <Jennifer.K.Bertolani@usace.army.mil>
Subject: [Non-DoD Source] RE: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

Brandon,
Thanks for the update. I'll be doing the site visit and driving back to Seattle today. I'll stay tuned for any new developments with regard to the SHPO letter.
Cheers,
DEREK PULVINO
Senior Environmental Scientist
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m: 206-419-3420
Ecology and Environment, Inc.

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---Original Message-----

From: Perkins, Brandon <Perkins.Brandon@epa.gov>
Sent: Friday, August 28, 2020 4:30 PM
To: Bertolani, Jennifer K CIV USARMY CENWS (USA) <Jennifer.K.Bertolani@usace.army.mil>
Cc: Pulvino, Derek <DPulvino@ene.com>
Subject: FW: SHPO Case Nbr SHPO Case No.: 20-1081, EPA, Former Western States Cooperative Plywood Mill

Hi Jen

Received a response from the Oregon SHPO this afternoon. From the letter, it appears an archaeological survey is being suggested but not required. There is also no mention of requiring a monitor. Do you have any thoughts on the SHPO response?

BRANDON PERKINS | SITE ASSESSMENT MANAGER SUPERFUND & EMERGENCY MANAGEMENT DIVISION UNITED STATES ENVIRONMENTAL PROTECTION AGENCY | REGION 10
1200 SIXTH AVE SUITE 155 (MAIL STOP: 13-J07) SEATTLE, WA 98101

Bill Roulette to Derek Pulvino

Tue 9/1/2020 8:32 AM

Derek,

Monitoring will be required per the Coquille response. The survey can be incorporated into the monitoring. Michelle will be examining the surface of any area where a test pit is to be placed. She can just as well excavate some of the soil and pass it through a screen in advance of your sampling, as long as there are no hazardous vapors or gases that would be released into the air if she does so.

If she finds historic-era archaeological material, she could assess it on the spot as we did recently in Northport, which could require relocating a test pit location. It she finds pre-contact archaeological material, the sampling unit would need to be relocated and the process would be repeated.

I believe we still owe you a HASP. Look for that alter this week.

Bill R.

APPENDIX B

Archaeological Survey and Monitoring Field Notes

9/8/20 W. State, Plywood Mill 2s-23E8

M Lynch

Sunny, Smoky, 90°F (DW)

ARRIVED LATE AFTERNOON & COMPLETED A SITE WALKOVER

- 2 REMNANT CONCRETE STRUCTURES* WHERE/NEAR ABOVEGROUND EVIDENCE OF MILL IS GONE THAT I CAN SEE AT PRESENT
- 1 COLORLESS GLASS JOHN BOSTON W/ OLD STYLE WIDE BOTTLING @ WORK, BODY STAMPING, "NO DEPOSIT NO RETURN" BELOW NECK OBSERVED ON SURFACE BY GATE TO GO TO WASTE DISPOSAL AREA OUTSIDE DISTURBANCE AREA. USED TO GO BACK FOR PHOTO
- SPOKE WITH JAY, ONE OF THE PROP OWNERS ABOUT WHAT I'D BE DOING OUT HERE (E.G. MAPPED UNMARKED GRAVES, BOARDS, SCATTERED METAL*)
- 4.3B, ASH, 2DR

JTP 1 @ 0-30 (AT TOP 11")

0-20 BROWN (10YR 3/3) LOAM, DRY, COMPACT, W/ 20% A-> SR GRAV -> PEB

20-30 CLINKER LAYER - COMPACT, LOTS OF COKE, SLAG

- 1 WIRE NAIL 10-20
- 2 WIRE NAILS, 1 IRON FRAG 20-30

* ALSO WEATHERED PLASTIC

20-236 W. STATES PLYWOOD MILL 9/9/20

M. LYNCH 16" BUCKETS - SIDE CUT AT 8:00

E+E CREW, EXCAVATOR IS CAT 305ECR W/ TOOTHED BUCKET

AM - SMOKY, ~60°F. PM = SMOKY, 75°F

NOT RENUMBERED

STP 20 TO (PT 3) TERM. IN COBBLES

0-10 cm DK BR (10YR 3/3)

LOAM, DRY, W/ FINE SUBANGULAR FRIABLE PEDS, >50% SR-A GRAVELS, PEBBLES, COBBLES, POORLY SORTED AGGREGATE

FILL? MAPPED SOIL INTERMIXED

- SECOND LAYER NOT REACHED

STP 8 50 (PT 33), RENUMBERED 8

SOILS SAA, TERM. IN COBBLES

1 WIRE NAIL FRAG 50-90

STP 9 (PT 35, RENUMBERED 19) MAX 50

SOILS SAA - ① BOOT FRAG NOT RECENT GLASS 0-20

② " " " " 20-40

③ FELLED NECK TERM. AMBER GLASS, THIN, 20-50

STP 5 (PT 39 renumbered 15) MAX 80 cm

0-30 SOILS SAA, 1 SM FRAG CHIMNEY GLASS 0-20

TERM. NAMED IN UNDER GROWTH

* LIKELY PACKER INC, 20-30

J.L. DARLING LLC
Tacoma, WA, USA • Tilomther@gmail.com

9/9/20 W. STATES PLYMOUTH MINE 20-2368

30 cm MAX

STP 6 @ 30 cmbs (POINT RENUMBERED 23)

0-10 BROWN (10YR 4/3) SILT LOAM, DRY, COMPACT, w/ ~30% SR-SA PEB-COB

10-30 LT Y-BR (10YR 6/4) SILT LOAM, COMPACT, DRY, ~30% SR-SA PEB

2 LG ORTHOS/SM BOULDERS BLOCKING EXCAVATION @ 30 cmbs

TP 30 @ MAX 67" BS (BY STP 2)

0-5' SOIL SAME AS STP 2 LVL

5-67" BLACK MOST CLAY LOAM w/ 10% SR-SA GRAVELS (WATER)

- WIRE CABLE @ 4' BS
- WET, WOODY DEBRIS @ 5'

TP 31 @ MAX 105" BS (NEAR STP 3)

~~0-38~~ 38-95 ~~0-38~~" Y. BR (10YR 5/6) COMPACT CLAY w/ ORANGE + GRAY MOTTLES, GRAVEL FREE

75-90" DK GR-BR (10YR 4/2) SAND, GRAVEL FREE

90-105" SIMILAR TO ABOVE LAYER, DEGRADING ROCKS @ BOT

20-236 W. STATES PLYWOOD MILL 9/10/20

TP 19 @ MAX 7'BS (NCAK STP 4)

PLACED WHERE GPR DETECTED ANOMALY @ 27" 2.7' BS

0-3.5' BS SOILS SA STP 4, RUT CORES.

CONTENT IS MOSTLY ALLUVIAL COBBLES

- CONTAINED REBAR + AGGREGATE CONCRETE CHUNKS
- STEEL PLATE @ 3.5' BS

* 3.5'-6' SOIL COLOR SAME, RUT GRAVEL FREE (WITHIN TRENCH)

- GENERALLY N-S ORIENTED, 6" GALVANIZED STEEL PIPE @ 6' BS

GPR TRACED ITS PATH & FOUND IT UNDER GRAVEL ACCESS ROAD, TRAVELING W THEN N TO WHERE WE FOUND IT (SEE MAP)

CLAY CONTENT ↑

UNMONITORED EXCAVATED TRENCHING - IT'S PATH FURTHER

TP19

6-7' BS DK BR (10YR 3/3)

CLAY LOAM, 1% SK

GRAV-COB, GRADING INTO 7-8' BS (10YR 7/6)

COMPACT SANDY CLAY W/ NO GRAVELS

POWER ROAD

NOT TO SCALE

* ONLY WEST HALF OF TRENCH WAS EXCAVATED BLOCKED BY METAL TRAP, WAS EXCAVATED FROM THIS DEPTH ON.

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9/10/20 W. Jordan Plymouth MA 20-2368

M. Lynch
Ext Crew
AM Smoky, FOGGY, 55°F
PM - Smoking, 65°F

TP 16 (~~NAME FORMERLY~~, NCAR ~~TP 7~~ TP 6)

0-7" - SAND STRIPPED, SOME AGGREGATE CONCRETE RUBBLE

7-11" BARN LOAM BLACK (10YR 2/1) COKE/SLAG CONTENT, 1 PIECE METAL STAMPING IN EDGE OF

11-20" COMPACTED ASH LAYER

20-42" RED (2.5YR 4/6) LOAM, BURNT(?), GRAVEL FREE

42-65" STRONG BROWN (7.5YR 4/6) ~~SAND~~ MED-COARSE SAND,

65-72" Y. BR (10YR 5/6) [illegible] GRAVEL FREE

72"-10'5" LT BR GR (10YR 6/2) SAND LAYERS, <1% GR FEB-PEB

* TP WAS MOVED FROM PLANNED LOCATION TO INVESTIGATE GPR ANOMALY
* BURNT MAT. & ASH LIKELY RELATED TO NEARBY CHIMNEY BUILDER

20-2368 W. STATES HYDRAULIC 9/14/20

DIRECTIONAL DRILL ~~BORE~~ BECAME STUCK @ 5' BS WHILE WORKING IN AREA THAT CONTAINED BLDR > 0.5' BOULDER (SEE PHOTOS 32)

TP16-20 ~~10~~ 9.5' MAX (EXPLORATORY PIT NEXT TO TP16)
0-~~10~~ 9.5' BS SOILS SA ~~&~~ TP16
· BISQUE IN W SIDEWALL @ E END BETWEEN 6"-1.5' BS

TP16-3 (EXPLORATORY PIT NEXT TO TP16-2)
0-8.5' BS SOILS SA TP16
· PLASTIC CAUGHT @ 1' BS

TP23 9.5' MAX (ON NEAT ~~NEAT~~ STP 6)
0-19" ~~10-19"~~ SA STP 6
19"-40" ~~40-9.5'~~ STRONG BROWN (10YR ~~4/6~~ 4/6)
LOAM, GRAVEL-FREE
40-65" ~~LAYR~~ GR-BR (10YR 5/2)
CLAY, NO GRAV
65"-9.5' ~~TO~~ Y-BR (10YR 5/8)
SAND, ~~GR~~ W/ ORANGE MOTTLES, CLAY FREE
LOCATION IS ON OPPOSITE SIDE OF WHERE LEVY ENDS @ BAILEY CREEK
MAY ALSO BE LEVY? CHECK TOPO

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9/10/20 W. STATES PLYWOOD MILL 20-2368

TP24 @ 10' MAX (NO STP EXCAVATED) ON LEVEE

0-10' VARIOUS SHADES OF DK BR LOAM CONTAINING MNY A- SR GRAVELS TO COBBLES, SCAG CHUNKS, WOOD DEBRIS

* 2 METAL SPIKES, 1 LENGTH OF WIRE OBSERVED IN SPOILS PILE, ~5' BS

TP25 @ 10' MAX (NO STP EXCAVATED) ON LEVEE

0 ~~10~~ EA = TP24

* PILE CHORDED THROUGH @ ~ 4' BS

~~8~~ 9' GRAY DAMP CLAY GRAVEL FREE

9'-10' BLACK CLAY LOAM, DAMP, GRD FEW SR PEBBLES

STP27 @ @ 40 MAX (@ TP27)

0-40 BROWN (10YR 4/3) GRAVELLY LOAM - 50% A-SR PEB-CB

TERM. IN COBBLES

LOCATED ON EDGE OF ROAD TO POND, OTHER SIDE MNY LOGS LEVEE

20-2368 W. STATES PLYWOOD MILL 9/10/20

~~STP 26~~ 6' MAX ⊖ (NO STP EXCAVATED) ON LEVEE

6-~~2'~~ 4' 10YR 4/2 DK GR-BR LOAM

2 W/MANY A-SR GRAVELS → COBBLES

SLAG, SOME WOOD FRAGS, CHARCOAL & FU BALLOONS

~~2'-4' DK GR-BR (10YR 4/2) LOAM~~

~~10-20% SR-R GRAV → COB. LOGS~~

~~SLAG + CHARCOAL INTERMIXED~~

4-6' 2.5 YR 3/2 V. DK GR-BR CLAY W/ BLACK BURNT/DECAYING WOOD INTERMIXED

TP 27 —

PLANNED LOCATION TERMINATED DUE TO WATER NEAR BELOW SURFACE

STP 28 30 cm MAX

0-30 BROWN (10YR 4/3) LOAM, ~30% A-SR GRAV → COBBLES, DENSE/COMPACT ENOUGH TO GIVE EXCAVATOR DIFFICULTY

TERM IN COBBLES

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20-2368 @ STATE POWDER MILL 9/11/25

M. CHEW

E + E CREW

AM - SMOKY, 55°F

PM - SMOKY, 65°F

STP 9 ⊖ 30 MAX (BY TP12)

0-30 DK BR ~~10YR 3/3~~ (10YR 3/3)

COAM w/ 5% A-3R GRNS

PEB

TERM w/ SM BOULDER

TP 12 ⊖ (BY STP 9)

TRIMBLE POINT DROPPED ON TOP OF

55 GAL DRUM (@ 20" ø)

WOODEN BOARD 5 MM SHORT OF

OF PIT FROM S END OF DRUM

DRUM MEASUREMENTS:

DIAMETER: 23"

~~CIRCUMFERENCE~~

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9/10/20 W. STATES PLYWOOD MIL 24-256

TP 40 0-52" MAX (NEAR STP 8)
0-52" SX STP 7.
PACKED GRAVELS, EXCAVATOR
CAVED NOT CONTAINED

TP 270 RELOCATED)
0-50" SX ~~SX~~ TP 4
50-70' Y. BR (10YR 5/4) CLAY
W/SOME GRAVELS
70-9' V. DK. BR (10YR 3/3) CLAY,
NO GRAVELS

- WOOD BLANKET (2x4 @ 16")
@ ~ 4'65 - NOT ENCOUNTERED
DESIGNED SEE PLANS 49-350

Return to Rev.

9/11/20 — U.S. PLYWOOD MILL — 20-2368

TP 12 (CONT. FROM STP 9) ~~STP 10~~ MAX > 1'85 (BY ~~STP 11~~)

0-3' SAND STP 12

3-5' BROWN (10YR 4/3) DRY
LOAM/SILT LOAM W/ FINE GRAVEL
FEW TO SOME SX-SX GRAV → COB, ~~POORLY~~
APPEAR ALLUVIAL

5-7' BLACK ~~10YR 2/1~~ (10YR 2/1)
VERY MOIST COARSE SAND W/ SOME
SX-SX GRAV → COB, ALLUVIAL

TP 11 @ 3' BS (NEAR STP 1)
SCRAP METAL, METAL BANDING
1' BS-2.5' BS METAL STRAPPING, SS PIPE
FORMS, WIRE, PLASTIC BAG, LG
METAL BARS, COKE (~~WOOD~~) INTERMIXED (WOOD LIKE SOLID CHUNKS LIKELY
~~WOOD~~ STAPLES)

0-C3' ~~4'~~ Y-BR (10YR 5/4) SILT LOAM
W/ ~~MANY~~ ~10% SR-A GRAV → COB,
METAL DEBRIS & COKE INTERMIXED

~~4'-6'3"~~

C3"-72" DK Y-BR (10YR ~~4~~ 4/3)
COARSE SAND W/ SR-SX RIVER GRAV —

COBBLES LIKELY FROM OLD CREEK BED

D2-~~8'3~~ 9'3" V. DK GR (10YR 3/1) COARSE SAND W/ ROUNDED RIVER COBBLES INCREASING IN SIZE WITH DEPTH

20-23,68 W. STATES PLYWOOD MILL 9/11/20

JTP100 ~~70~~ 80 cm MAX (NEAR TP 13)

~~0-30 BROWN (10YR~~

0-30 DK Y BR (10 YR 3/4)

DRY SILT COARSE W/MANY (~30%)

ANGULAR BASALT FILL GRAVELS

30-70 DK R-BR (10YR 3/4) W/GRAY & YELLOW MOTTLES

CLAY LOAM, <1% GRAVELS

70-~~80~~ 90 BR (7.5YR 4/4) CLAY LOAM,

W/<10% SR-SA GRAV - ~~PEB~~ PEB

~~SAA~~ & ANGULAR DECOMP GRAV

ATTENUATED INTACT SOIL

TP130 T MAX DEPTH (NEAR JTP11)

~~0-20 SA GRAV~~

~~20~~ 0.20" BS SA JTP11, LVL 1&2

20"-5' BS SA JTP11, LVL 3

TERMINATED IN LARGE ANGULAR COBBLES -> SM BOULDERS

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9/11/20 W. STATES FLOOD MIT 20-2358

OP01 (A) OPPORTUNITY PIT 01 7.5' (MAY NO STP NEED)

EXCAVATED IN DEPRESSION IN S PART OF U.P.C. DEPRESSION APPEARS TO BE REFUSE DUMP

CONTAINS WIRE, ~~FLAGSTONE~~ FORM, OLD RUG, HARD & SOFT PLASTIC FRAG, METAL FRAGS, WINDOW GLASS FRAG METAL PIPE LENGTHS

DEPOSIT IS 0-6" ~ 4' BS

0-4' BS 7.5YR (10YR 4/4) DRY SILT LOAM W/FRIABLE GRANULAR PEDS, ~ 5% GRAVEL

4-6

4-7.5 DARK BR TO BLACK CLAY LOAM LAYERS TAN SILT MOTTLES BY OF PETROLEUM PRODUCTS. DID NOT HANDLE TO INSPECT MORE CLOSELY

OP02 (C) MAX 7'6" (NO STP excavated) ON PUSH PILE NEAR HIGHWAY BUILDINGS

NO STP EXCAVATED

0-~~5~~ 3' DK-BR (10YR 3/2) FINE LOAM ~~LUMPS~~ LOOKS LIKE BELOW W.E. LOTS OF

Rotate the Plan

20-2368 W. PLYWOOD MILLS 9/11/20

OP02 cont.

BURNT WOOD THROUGHOUT.

- CHARCOAL BAND @ ~6" - 12"
- BURNT EARTH/ASH LAYER DIRECTLY BENEATH TO ~ 24"

2-5'BS V. DK BR LOAM/WOODY DEBRIS mx.

9/12/20

M LYNCH
E+E CREW
AM - FOGGY, SMOKY, ~ 70°F
PM - SMOKY, ~ 65°F.

STPs & Test Pit excavations were completed yesterday.

- STPs were not excavated at TPs on levee (24, 25, 26)
- STPs not excavated for opportunistic TPs (OP01, OP02) due to OBVIOUS DISTURBANCE, HIGH PROB OF CONTAMINANTS (OP01 DUE TO UNKNOWN DEPRESSION BEING USED TO DUMP STUFF, OP02 DUE TO PUSH PILES CLOSE ASSOCIATION W/ OLD GUSSIN BURNING SITE) & HEALTH CONCERNS DUE TO SMOKE AND TRAFFIC
- STPs NOT EXCAVATED FOR EXPLORATORY

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9/12/20 W. STATES, FLAGSTAFF AZ 20 2960

PITS NEXT TO TP16 (TP16-1, TP16-2)
BECAUSE THEY WERE PLACED CLOSE
TO TP16 & STP6 WAS PLACED NEARBY

FROM HERE ON I WILL WATCH
BORE SAMPLES BEING COLLECTED
& BE AVAILABLE TO EXAMINE/MONITOR
ANY OTHER GROUND DISTURBANCE THE
CREW MAY NEED TO PERFORM

SPENT MORNING EXAMINING DEEP SOIL SAMPLES
SAMPLE CORES

SPENT AFTERNOON WATCHING EXCAVATION OF DU4
SAMPLES @ LOCATION MARKED ~~DU4~~ ON
MY MAP (~~EXCAVATED~~ DU4)
~30 POINTS SAMPLED

9/13/20

M CLOUDY
E & E CREW
AM - SMOKY, FOGGY, ~ 55°F
PM - SMOKY, 65°F

TODAY'S ACTIVITIES WILL BE SAME AS
YESTERDAY'S (SHALLOW & DEEP SOIL SAMPLES)

20-2368 W. States Plywood Mill 9/13/20

STARTED W/ DU 5 (DU 7 on MY MAP)
· 30 Points Surveyed

SURFACE SEE AT 3 SAMPLE POINTS WITHIN DUS ~~ARE~~ 3 BEING CLEARED W/A SKIDSTEER, CREATING 100% UNI ~~AT 3 SAMP~~ OF ANY THESE POINTS

MOVED TO DU 7, then DU 6 (~~assigned #3~~ ~~#4~~), THEN DU 3 (NOT RENUMBERED), THEN DU 2 (NOT RENUMBERED), THEN 4 (NOT RENUMBERED)

JL DARLING LLC
Tacoma, WA, USA · http://theirNotes.com

9/12/20 W. JEFFERS Pinewood Hills 20-230

#	TEST PIT ORIENTATION	OLD #	ORIENTATIONS + INDICATED RESULT	JTP	Points
16	34	NW-SE	-	5	30
3	3	NW-SE	-	2	50
8	33	E-W	-	3	50
19	35	N-S	-	4	50
16-2	-	NW-SE	-	5	30
16-3	-	NW-SE	-	5	30
23	28	N-S	-	6	30
24	29	N-S	-	-	-
25	30	E-W	-	-	-
26	31	N-S	-	-	-
27	32	E-W	-	7	40
4	4	E-W	-	8	30
12	13	E-W	+ Sag/berm	9	30
11	12	NW-SE	+ REFUSE	1	30
13	14	E-W	-	10	80
OP01	-	NE-SW	+ REFUSE	-	-
OP02	-	NW-SE	-	-	-

DUG SAMPLED

NEW #	OLD #	Points							
#1	#1	30	DUG	5	90	4	4	30
5	76	90		8	3	30			
7	7	30		2	24	30			

Oregon
Kate Brown, Governor

Parks and Recreation Department
State Historic Preservation Office
725 Summer St NE Ste C
Salem, OR 97301-1266
Phone (503) 986-0690
Fax (503) 986-0793
www.oregonheritage.org

August 28, 2020

Mr. Brandon Perkins
US EPA Region 10
1200 Sixth Ave, Suite 155
Mail Stop 13-J07
Seattle, WA 98101

RE: SHPO Case No. 20-1081
EPA, Former Western States Cooperative Plywood Mill
Collection of surface soil, subsurface soil, groundwater, and sediment samples
32S 15W 27, Port Orford, Curry County

Dear Mr. Perkins:

Our office recently reviewed the information for the undertaking referenced above. Our office has concerns about archaeological resources present in the project area and no previous archaeological surveys having been completed within the proposed project area.

Due to the high likelihood of significant archaeological sites being present, we suggest that the applicant contact a professional archaeologist to conduct a archaeological survey of the project area. A list of archaeological consultants can be found on the Association of Oregon Archaeologists web site (www.oregonarchaeologists.com) by clicking on the Contractor Directory.

If you have not already done so, be sure to consult with all appropriate Indian tribes regarding your proposed project. If you have any questions about the above comments or would like additional information, please feel free to contact me at your convenience. In order to help us track your project accurately, please be sure to reference the SHPO case number above in all correspondence.

Sincerely,

Jamie French, M.A.
SHPO Archaeologist
(503) 979-7580
Jamie.French@oregon.gov

COQUILLE INDIAN TRIBE

3050 Tremont Ave. North Bend, OR 97459
Telephone: (541) 756-0904 ~ Fax: (541) 756-0847
www.coquilletribe.org

July 30, 2020

Environmental Protection Agency
Region 10
1200 Sixth Ave, Suite 155
Seattle, WA 98101-3123

Re: Contract Number: EP-S7-13-07 | Task Order, Subtask Number TO-0380-013

Project location: T32S R15W S27 tl 104, 900, 901, 902, 903
Western States Cooperative Plywood Mill

Thank you for the opportunity to comment on the proposal to conduct a targeted Brownfields Assessment at the above referenced property. There have been no cultural resources surveys within the project area and very few in the area. There are, however, known cultural resources approximately one mile away from the project area.

Given the lack of survey and the proximity to known resources and high probability for previously unrecorded resources, we request:

- An archaeologist who meets Standard of Interior qualifications *and* Oregon's Standards for Qualifications is present to monitor all ground-disturbing activities associated with the Assessment, including test pits *and* borings.
- The qualified archaeologist should also conduct a pedestrian survey of the project area in advance of disturbance, including areas where surface soil decision units will be collected.
- A monitoring report shall be submitted to our office in a timely manner for review.
- A Tribal Cultural Resource Monitor is afforded the opportunity to be on site during all ground-disturbing activities. Please schedule the monitor a **minimum of 72 hours** in advance of anticipated project start time by calling 541-808-5554 *more lead time is preferred and appreciated*

Some points regarding inadvertent discoveries of human remains, funerary objects, sacred sites, or objects of cultural patrimony will need to be corrected prior to the start of work:

- We do not currently have a State Physical Anthropologist in the State of Oregon.
- In the event that an inadvertent discovery is encountered, state law requires notification to the Oregon State Police, the State Historic Preservation Office, the Legislative Commission on Indian

Services, as well as all appropriate Tribes in Oregon. I am the contact for the Coquille Indian Tribe. You can see the full Treatment Paper on Human Remains in Oregon here: https://www.oregon.gov/oprd/OH/Documents/position_paper_Human_Remains05212018.pdf

- No photographs shall be taken of human remains or funerary objects, except for the purpose of identification.

Please be aware that state statutes and federal law governs how archaeological sites are to be managed. 43 CFR 10 applies on tribal and federal lands, federal projects, federal agencies, as well as to federal actions and federally funded (directly or indirectly) projects. ORS 97.745 prohibits the willful removal, mutilation, defacing, injury, or destruction of any cairn, burial, human remains, funerary objects, or objects of cultural patrimony of a Native Indian. ORS 358.920 prohibits excavation, injury, destruction, or alteration of an archaeological site or object, or removal of an archaeological object from public or *private lands*. If archaeological materials are discovered, uncovered, or disturbed on the property, we will discuss the appropriate actions with all necessary parties.

Thank you again and feel free to contact me if you have any questions.

Best,

Kassandra Rippee, M.A., M.L.S.
Tribal Historic Preservation Officer

Pulvino, Derek

From: Perkins, Brandon <Perkins.Brandon@epa.gov>
Sent: Thursday, July 30, 2020 7:56 PM
To: Pulvino, Derek
Subject: FW: NHPA Section 106 Consultation - Targeted Brownfields Assessment: Former Western States Cooperative Plywood Mill
Attachments: CRT20209_Subtask TO-0380-013_Plywood Mill Brownfield Assessment.pdf

Hi Derek

Here is a response from the Coquille Indian Tribe with a few requests regarding the qualifications of the cultural monitoring and also conducting a walking survey of the DU locations. If we need to subcontract the cultural monitoring work please make sure to share the requests with the bidders.

BRANDON PERKINS | SITE ASSESSMENT MANAGER
SUPERFUND & EMERGENCY MANAGEMENT DIVISION
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY | REGION 10
1200 SIXTH AVE SUITE 155 (MAIL STOP: 13-J07)
SEATTLE, WA 98101
P: (206) 553-6396
EMAIL: PERKINS.BRANDON@EPA.GOV

From: THPO <THPO@coquilletribe.org>
Sent: Thursday, July 30, 2020 4:18 PM
To: Perkins, Brandon <Perkins.Brandon@epa.gov>
Subject: RE: NHPA Section 106 Consultation - Targeted Brownfields Assessment: Former Western States Cooperative Plywood Mill

Brandon,

Please see the attached letter outlining my concerns. After we spoke, I also noted that a portion of the proposal was in direct conflict with state law. I've outlined the correction to that, attached. Please let me know if you have any questions or concerns.

Thank you!

Shuenhalni (take care),
Kassie

Kassandra Rippee
Tribal Historic Preservation Officer (THPO)
Coquille Indian Tribe
495 Miluk Drive
Coos Bay, Oregon 97420

m: 541-808-5554
o: 541-756-0904 x1216
f: 541-888-2418
KassandraRippee@coquilletribe.org
THPO@coquilletribe.org

pronouns: she/her

This message may contain confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission.

From: Perkins, Brandon <Perkins.Brandon@epa.gov>
Sent: Wednesday, July 29, 2020 10:20 AM
To: Kassandra Rippee <KassandraRippee@coquilletribe.org>
Subject: NHPA Section 106 Consultation - Targeted Brownfields Assessment: Former Western States Cooperative Plywood Mill

WARNING: This email originated from outside of the organization.

Good Morning Kassandra,

EPA Region 10 is providing technical assistance to the Wild Rivers Land Trust on a Targeted Brownfields Assessment project located in Port Orford, Oregon. The work EPA plans to complete consists of a subsurface investigation to evaluate the extent of soil and groundwater contamination at the site.

Because this work is being conducted under federal Brownfields funding, the attached NPHA Section 106 consultation letter is being sent for your review. I've also included a sampling approach memo that outlines the scope of the project.

EPA will so be consulting with the Oregon State Historic Preservation Office.

If you have any questions or concerns please do not hesitate to give me a call.

BRANDON PERKINS | SITE ASSESSMENT MANAGER
SUPERFUND & EMERGENCY MANAGEMENT DIVISION
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY | REGION 10
1200 SIXTH AVE SUITE 155 (MAIL STOP: 13-J07)
SEATTLE, WA 98101
P: (206) 553-6396
EMAIL: PERKINS.BRANDON@EPA.GOV

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H Global Positioning System Coordinates

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Location Name	Location Description	Sample Location Type	Zone	Latitude	Longitude	Soil	Groundwater	Sediment	Surface Water
OP01TP	Opportunity Sample	Test Pit	Test Pit	42.76850973	-124.4615728	Y			
OP01GP	Opportunity Sample	Geoprobe Boring	Borehole	42.76850973	-124.4615728	Y	Y		
OP02TP	Opportunity Sample	Test Pit	Test Pit	42.77061145	-124.4613333	Y			
SL01GP	B1-Maint. Bldg	Geoprobe Boring	Borehole	42.76857282	-124.4639176	Y	Y		
SL02GP	B2-Maint. Bldg	Geoprobe Boring	Borehole	42.7686416	-124.4639042	Y			
SL03TP/TP3GW	TP3-Log Pond Berm (S&W)	Test Pit	Test Pit	42.76923858	-124.4631097	Y	Y		
SL04TP/TP04GW	TP4-Log Pond Berm (S&W)	Test Pit	Test Pit	42.77029644	-124.4635178	Y			
SL05GP	B5-PCP in GW and UST	Geoprobe Boring	Borehole	42.76947517	-124.4624937	Y	Y		
SL06GP	B6-PCP in GW and UST	Geoprobe Boring	Borehole	42.76960432	-124.462363	Y	Y		
SL07GP	B7-PCP in GW and UST	Geoprobe Boring	Borehole	42.76961378	-124.4625662	Y	Y		
SL08TP	B8-PCP in GW and UST	Test Pit	Test Pit	42.76956295	-124.4624756	Y			
SL09GP	B9-Former Transformer	Geoprobe Boring	Borehole	42.76977166	-124.4626354	Y			
SL10GP	B10-Former Transformer	Geoprobe Boring	Borehole	42.76987916	-124.4624888	Y	Y		
SL11TP/TP11GW	TP11-Waste Disposal	Test Pit	Test Pit	42.76886827	-124.460425	Y	Y		
SL12TP/TP12GW	TP12-Waste Disposal	Test Pit	Test Pit	42.76910364	-124.4603065	Y	Y		
SL13TP/TP13GW	TP13-Waste Disposal	Test Pit	Test Pit	42.76902349	-124.4605771	Y	Y		

Location Name	Location Description	Sample Location Type	Zone	Latitude	Longitude	Soil	Groundwater	Sediment	Surface Water
SL14GP	B14-S. Wigwam Burner	Geoprobe Boring	Borehole	42.77039567	-124.4609566	Y			
SL15GP	B15-S. Wigwam Burner	Geoprobe Boring	Borehole	42.77040041	-124.4613365	Y	Y		
SL16TP	TP16-S. Wigwam Burner	Test Pit	Test Pit	42.77047845	-124.4615383	Y			
SL17GP	B17-S. Wigwam Burner	Geoprobe Boring	Borehole	42.77080021	-124.4611956	Y			
SL18GP	B18-S. Wigwam Burner	Geoprobe Boring	Borehole	42.77078909	-124.4615494	Y	Y		
SL19TP	TP19-Stud Mill	Test Pit	Test Pit	42.77024607	-124.4618606	Y			
SL20GP	B20-Stud Mill	Geoprobe Boring	Borehole	42.77042856	-124.4618941	Y	Y		
SL21GP	B21-Stud Mill	Geoprobe Boring	Borehole	42.77060027	-124.4617125	Y	Y		
SL22GP	B22-Stud Mill	Geoprobe Boring	Borehole	42.77075865	-124.4619235	Y	Y		
SL23TP/TP23GW	TP23-N. Log Pond Berm	Test Pit	Test Pit	42.77087342	-124.4621026	Y	Y		
SL24TP	TP24-N. Log Pond Berm	Test Pit	Test Pit	42.77105641	-124.4623684	Y			
SL25TP/TP25GW	TP25-N. Log Pond Berm	Test Pit	Test Pit	42.77117302	-124.4625556	Y	Y		
SL26TP	TP26-N. Log Pond Berm	Test Pit	Test Pit	42.77126286	-124.4627539	Y			
SL27TP	TP27-N. Log Pond Berm	Test Pit	Test Pit	42.77099511	-124.4632464	Y			
PD01SD/PD01SW	SED1-Log Pond	Sediment/Surface Water	River/Stream	42.77097039	-124.4624553			Y	Y
PD02SD	SED2-Log Pond	Sediment	River/Stream	42.77081599	-124.462916			Y	

Location Name	Location Description	Sample Location Type	Zone	Latitude	Longitude	Soil	Groundwater	Sediment	Surface Water
PD03SD	SED3-Log Pond	Sediment	River/Stream	42.77035831	-124.4622203			Y	
PD04SD	SED4-Log Pond	Sediment	River/Stream	42.77025143	-124.4628892			Y	
PD05SD/ PD05SW	SED5-Log Pond	Sediment/Surface Water	River/Stream	42.76964698	-124.4630763			Y	Y
PD06SD/ PD06SW	SED6-Fire Pond	Sediment/Surface Water	River/Stream	42.7692573	-124.4634118			Y	Y
PD07SD	SED7-Fire Pond	Sediment	River/Stream	42.76906614	-124.4632616			Y	
PD08SD	SED8-Fire Pond	Sediment	River/Stream	42.7688872	-124.4635318			Y	
PD09SD/ PD09SW	SED9-Fire Pond	Sediment/Surface Water	River/Stream	42.76903441	-124.4635811			Y	Y
EW01GW	WELL 1-Maint. Bldg	Well	Well	42.76869883	-124.4637884		Y		
EW02GW	WELL 2-Cisten/Well	Well	Well	42.768861	-124.461472		Y		

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Investigation-Derived Waste Disposal Documentation

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Table 1 - IDW Sample Analytical Results Summary (FWSCPM)

EPA Sample ID	20385727
Station Location Description	ID01WT
CLP Sample Number	JLW47
Dioxins/Furans (pg/L)	
1,2,3,4,6,7,8-HpCDD	**380**
1,2,3,4,6,7,8-HpCDF	**88**
1,2,3,4,7,8,9-HpCDF	8 JQ
1,2,3,4,7,8-HxCDD	3.8 JQ
1,2,3,4,7,8-HxCDF	6.6 JQ
1,2,3,6,7,8-HxCDD	21 JQ
1,2,3,6,7,8-HxCDF	2.9 U
1,2,3,7,8,9-HxCDD	6.9 JQ
1,2,3,7,8,9-HxCDF	4 U
1,2,3,7,8-PeCDD	3.9 U
1,2,3,7,8-PeCDF	4 U
2,3,4,6,7,8-HxCDF	5.3 JQ
2,3,4,7,8-PeCDF	3.6 U
2,3,7,8-TCDD	1.1 U
2,3,7,8-TCDF	1.3 U
OCDD	**3200**
OCDF	**330**
Target Analyte List Metals (µg/L)	
Aluminum	**27800**
Antimony	60 U
Arsenic	**11.1**
Barium	**160**
Beryllium	2.9 JQ
Cadmium	0.74 JQ
Calcium	**20800**
Chromium	**101**
Cobalt	13.6 JQ
Copper	**69.9**
Iron	**46900**
Lead	**25.1**
Magnesium	**9480**
Manganese	**872**
Mercury	**0.42**
Nickel	**94**
Potassium	**7520**
Selenium	1.8 JQ
Silver	0.16 JQ
Sodium	**73200**
Thallium	7.7 JQ
Vanadium	**84.3**
Zinc	**545 J**
Semivolatile Organic Compounds (µg/L)	
1,1'-Biphenyl	5.1 UJ
1,2,4,5-Tetrachlorobenzene	5.1 UJ
1,4-Dioxane	2 UJ

Table 1 - IDW Sample Analytical Results Summary (FWSCPM)

EPA Sample ID	20385727
Station Location Description	ID01WT
CLP Sample Number	JLW47
2,2'-Oxybis(1-chloropropane)	10 UJ
2,3,4,6-Tetrachlorophenol	5.1 UJ
2,4,5-Trichlorophenol	5.1 UJ
2,4,6-Trichlorophenol	5.1 UJ
2,4-Dichlorophenol	5.1 UJ
2,4-Dimethylphenol	5.1 UJ
2,4-Dinitrophenol	10 UJ
2,4-Dinitrotoluene	5.1 UJ
2,6-Dinitrotoluene	5.1 UJ
2-Chloronaphthalene	5.1 UJ
2-Chlorophenol	5.1 UJ
2-Methylnaphthalene	0.1 U
2-Methylphenol	10 UJ
2-Nitroaniline	5.1 UJ
2-Nitrophenol	5.1 UJ
3,3'-Dichlorobenzidine	10 UJ
3-Methylphenol + 4-Methylphenol	10 UJ
3-Nitroaniline	10 UJ
4,6-Dinitro-2-methylphenol	10 UJ
4-Bromophenyl-phenylether	5.1 UJ
4-Chloro-3-methylphenol	5.1 UJ
4-Chloroaniline	10 UJ
4-Chlorophenyl-phenyl ether	5.1 UJ
4-Nitroaniline	10 UJ
4-Nitrophenol	10 UJ
Acenaphthene	0.1 U
Acenaphthylene	0.1 U
Acetophenone	10 UJ
Anthracene	0.016 JQ
Atrazine	10 UJ
Benzaldehyde	10 UJ
Benzo(a)anthracene	0.1 U
Benzo(a)pyrene	0.1 U
Benzo(b)fluoranthene	0.1 U
Benzo(g,h,i)perylene	0.1 U
Benzo(k)fluoranthene	0.1 U
bis(2-Chloroethoxy)methane	5.1 UJ
Bis(2-Chloroethyl) ether	10 UJ
bis(2-Ethylhexyl)phthalate	5.1 UJ
Butylbenzylphthalate	5.1 UJ
Caprolactam	10 UJ
Carbazole	10 UJ
Chrysene	0.028 JQ
Dibenzo(a,h)anthracene	0.1 U
Dibenzofuran	5.1 UJ
Diethylphthalate	5.1 UJ

Table 1 - IDW Sample Analytical Results Summary (FWSCPM)

EPA Sample ID	20385727
Station Location Description	ID01WT
CLP Sample Number	JLW47
Dimethylphthalate	5.1 UJ
Di-n-butylphthalate	5.1 UJ
Di-n-octylphthalate	10 UJ
Fluoranthene	0.056 JQ
Fluorene	0.1 U
Hexachlorobenzene	5.1 UJ
Hexachlorobutadiene	5.1 UJ
Hexachlorocyclo-pentadiene	10 UJ
Hexachloroethane	5.1 UJ
Indeno(1,2,3-cd)pyrene	0.1 U
Isophorone	5.1 UJ
Naphthalene	0.1 U
Nitrobenzene	5.1 UJ
N-Nitroso-di-n propylamine	5.1 UJ
N-Nitrosodiphenylamine	5.1 UJ
Pentachlorophenol	0.087 JQ
Phenanthrene	0.032 JQ
Phenol	10 UJ
Pyrene	0.047 JQ
Volatile Organic Compounds (µg/L)	
1,1,1-Trichloroethane	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5 U
1,1,2-Trichloroethane	0.5 U
1,1-Dichloroethane	0.5 U
1,1-Dichloroethene	0.5 U
1,2,3-Trichlorobenzene	0.5 U
1,2,4-Trichlorobenzene	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U
1,2-Dibromoethane	0.5 U
1,2-Dichlorobenzene	0.5 U
1,2-Dichloroethane	0.5 U
1,2-Dichloropropane	0.5 U
1,3-Dichlorobenzene	0.5 U
1,4-Dichlorobenzene	0.11 JQ
2-Butanone	**18**
2-Hexanone	5 U
4-Methyl-2-pentanone	5 U
Acetone	**9.5**
Benzene	0.5 U
Bromochloromethane	0.5 U
Bromodichloromethane	0.5 U
Bromoform	0.5 U
Bromomethane	0.5 U
Carbon disulfide	0.5 U
Carbon tetrachloride	0.5 U

Table 1 - IDW Sample Analytical Results Summary (FWSCPM)

EPA Sample ID	20385727
Station Location Description	ID01WT
CLP Sample Number	JLW47
Chlorobenzene	0.5 U
Chloroethane	0.28 JQ
Chloroform	0.5 U
Chloromethane	0.5 U
cis-1,2-Dichloroethene	0.5 U
cis-1,3-Dichloropropene	0.5 U
Cyclohexane	0.5 U
Dibromochloromethane	0.5 U
Dichlorodifluoromethane	0.5 U
Ethylbenzene	0.5 U
Isopropylbenzene	0.5 U
m, p-Xylene	0.5 U
Methyl acetate	0.5 U
Methyl tert-butyl ether	0.5 U
Methylcyclohexane	0.5 U
Methylene chloride	0.5 U
o-Xylene	0.5 U
Styrene	0.5 U
Tetrachloroethene	0.5 U
Toluene	0.11 JQ
trans-1,2-Dichloroethene	0.5 U
trans-1,3-Dichloropropene	0.5 U
Trichloroethene	0.5 U
Trichlorofluoromethane	0.5 U
Vinyl chloride	0.5 U
Total Petroleum Hydrocarbons (µg/L)	
Diesel Range Organics	0.2 U
Motor Oil Range Organics	0.5 U
Gasoline Range Organics	**300**

Notes: **Bold** type indicates the sample result is above the sample quantitation limit.

Key:

CLP = Contract Laboratory Program
EPA = United States Environmental Protection Agency
ID = Identification
J = The analyte was positively identified and the associated numerical value is an estimated quantity.
µg/L = Micrograms per liter
pg/L = Picograms per liter
Q = Result is estimated because the concentration is below the Contract Required Quantitation Limits.
U = The material was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

WASTE MANAGEMENT

EZ Profile™

Requested Facility: Hillsboro Landfill Unsure Profile Number: 134469OR

❑ Multiple Generator Locations (Attach Locations) ✔ Request Certificate of Disposal Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: US Environmental Protection Agency
2. Site Address: Elk River Road
   (City, State, ZIP) Port Orford OR 97465-0000
3. County: Curry
4. Contact Name: Derek Pulvino
5. Email: derek.pulvino@wsp.com
6. Phone: (206) 419-3420 7. Fax: _____
8. Generator EPA ID: _____ ✔N/A
9. State ID: _____ ✔N/A

B. BILLING INFORMATION SAME AS GENERATOR

1. Billing Name: ACT Enironmental Services
2. Billing Address: 13600 SE Ambler Rd
   (City, State, ZIP) Clackamas OR 97015-0000
3. Contact Name: Kyle Satterthwaite
4. Email: ksatterthwaite@actenviro.com
5. Phone: (253) 334-9256 6. Fax: _____
7. WM Hauled? Yes ✔ No
8. P.O. Number: _____
9. Payment Method: ✔ Credit Account Cash Credit Card

C. MATERIAL INFORMATION

1. Common Name: Non-Hazardous Waste Liquid, Groundwater

   Describe Process(es) Generating Material: See Attached

   Groundwater from monitoring well sampling activity at a former plywood manufacturing facility.

2. Material Composition and Contaminants: See Attached

1. Groundwater	95-100 %
2. Sediment	0-5 %
3. Arsenic	11.1 ppb
4. Barium	160 ppb
Total comp. must be equal to or greater than 100%	≥100%

3. State Waste Codes: _____ ✔ N/A
4. Color: Cloudy Brown
5. Physical State at 70˚F: Solid ✔ Liquid Other: _____
6. Free Liquid Range Percentage: 95 to 11 N/A
7. pH: 6 to 10 N/A
8. Strong Odor: Yes ✔ No Describe: _____
9. Flash Point: <140˚F 140˚–199˚F ✔ ≥200˚ N/A

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? Yes* ✔No
   Code: _____
2. State Hazardous Waste? Yes ✔No
   Code: _____
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ❑ Yes* ✔ No
4. Contains Underlying Hazardous Constituents? Yes* ✔ No
5. From an industry regulated under Benzene NESHAP? Yes* ✔ No
6. Facility remediation subject to 40 CFR 63 GGGGG? Yes* ✔ No
7. CERCLA or State-mandated clean-up? Yes* ✔ No
8. NRC or State-regulated radioactive or NORM waste? Yes* ✔ No

***If Yes, see Addendum (page 2) for additional questions and space.**

9. Contains PCBs? If Yes, answer a, b and c. Yes ✔ No
   a. Regulated by 40 CFR 761? Yes No
   b. Remediation under 40 CFR 761.61 (a)? Yes No
   c. Were PCB imported into the US? Yes No
10. Regulated and/or Untreated Medical/Infectious Waste? Yes ✔ No
11. Contains Asbestos? Yes ✔ No
    If Yes: Non-Friable Non-Friable – Regulated Friable

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ✔ Yes

   Please identify applicable samples and/or lab reports:

   REPORT REFERENCE: TO-0380 PAN: 1004530.0380.013.01

2. Other information attached (such as MSDS)? Yes

F. SHIPPING AND DOT INFORMATION

1. ✔ One-Time Event Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 4
   ❑ Tons Yards ✔ Drums Gallons Other: _____
3. Container Type and Size: 55DM
4. USDOT Proper Shipping Name: ✔ N/A

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

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❑ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Derek Pulvino Date: 12/2/2020

Title: Senior Env. Scientist/Project Manager

Company: WSP USA (formerly E & E), on Behalf of USEPA

, on behalf of USEPA

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EZ Profile™ Addendum

Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 134469OR

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

5. Chromium	101 ppb
6. Copper	69.9 ppb
7. Lead	25.1 ppb
8. Mercury	0.42 ppb
9. Nickel	94 ppb
Total composition must be equal to or greater than 100%	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste
   a. Please list all USEPA listed and characteristic waste code numbers:

   b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)? ☐ Yes ☐ No
   c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? ➔ If Yes, complete question 4. ☐ Yes ☐ No
   d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)? ☐ Yes ☐ No
      ➔ If Yes, please check **one** of the following:
      ☐ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))
      ☐ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.
2. State Hazardous Waste ➔ Please list all state waste codes: _____
3. For material that is Treated, Delisted, or Excluded ➔ Please indicate the category, below:
   ☐ Delisted Hazardous Waste ☐ Excluded Waste under 40 CFR 261.4 ➔ Specify Exclusion: _____
   ☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste ➔ If checked, complete question 4.
4. Underlying Hazardous Constituents ➔ Please list all Underlying Hazardous Constituents:

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.
   a. Are you a TSDF? ➔ If yes, please complete Benzene NESHAP questionnaire. If not, continue. ☐ Yes ☐ No
   b. Does this material contain benzene? ☐ Yes ☐ No
      1. If yes, what is the flow weighted average concentration? _____ ppmw
   c. What is your facility's current total annual benzene quantity in Megagrams? ☐ <1 Mg ☐ 1–9.99 Mg ☐ ≥10 Mg
   d. Is this waste soil from a remediation? ☐ Yes ☐ No
      1. If yes, what is the benzene concentration in remediation waste? _____ ppmw
   e. Does the waste contain >10% water/moisture? ☐ Yes ☐ No
   f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw? ☐ Yes ☐ No
   g. Is material exempt from controls in accordance with 40 CFR 61.342? ☐ Yes ☐ No
      ➔ If yes, specify exemption: _____
   h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF? ☐ Yes ☐ No
6. 40 CFR 63 GGGGG ➔ Does the material contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No
7. CERCLA or State-Mandated clean up ➔ Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.
8. NRC or state regulated radioactive or NORM Waste ➔ Please identify Isotopes and pCi/g: _____

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Additional Profile Information

Profile Number: 134469OR

C. MATERIAL INFORMATION

Material Composition and Contaminants (Continued from page 2): If more space is needed, please attach additional pages.

10. Vanadium	84.3 ppb
11. Zinc	545 ppb
12. 2-Butanone	18 ppb
13. Acetone	9.5 ppb
14. Gasoline Range Organics	300 ppb
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	
23.	
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32.	
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34.	
35.	
36.	
37.	
38.	
39.	
40.	
Total composition must be equal to or greater than 100%	≥100%

D. REGULATORY INFORMATION

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers (Continued from page 2):

2. Form Code:

3. Source Code:

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J

Analytical Results, Data Validation Memoranda, and Chains of Custody

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MEMORANDUM

DATE: November 4, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 20 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for low/medium volatile organic compound (VOC), semivolatile organic compound (SVOC), and SVOC SIM and SVOC-Selected Ion Monitoring (SVOC-SIM) analyses at Pace Analytical Services, West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

JLTQ0	JLTQ2	JLTR4	JLTR5	JLTT6
JLTT7	JLTQ8	JLTQ9	JLTR0	JLTR1
JLTR2	JLTT0	JLTY3	JLTT1	JLTR3
JLTQ5	JLTQ4	JLTX4	JLTX5	JLTX6

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

OFFICE OF
Lab Services & Applied
Science Division

Date: October 21, 2020

Reply to:
Attn of: LSASD-14-D12

MEMORANDUM

Subject: Data Validation Report for the Organic Analyses of the soil samples collected from the Former Western States Plywood Cooperative Mill Brownfields Site located in Port Orford, Oregon.
Case Number: 49090 SDG: JLTQ0

RAYMOND WU Digitally signed by RAYMOND WU Date: 2020.10.21 11:31:57 -07'00'

From: Raymond Wu, QA Chemist
Environmental Characterization Branch
Quality Assurance Section
Office of Laboratory Services & Applied Science Division (LSASD – 14D12),
USEPA Region 10

To: Brandon Perkins, EPA Task Monitor
Emergency Management Branch,
Spill Prevention & Removal Section
Office of Superfund & Emergency Management Division (SEMD – 13J07),
USEPA Region 10

CC: Linda Ader, Project Manager
Ecology and Environment, Inc.
Seattle, WA

The quality assurance (QA) review of the analytical data generated from the analysis of 20 soil samples collected from the above referenced site has been completed. These samples were analyzed for Semivolatile Organic Compounds VOA, SVOCs / SIM for 20 samples. All samples were analyzed by Pace Analytical Services, LLC (formerly known as Shealy Environmental Services) located in West Columbia, South Carolina. When multiple analytical runs were conducted (i.e., dilution, reanalysis, SIM, etc.), the run with reportable results has been indicated by the reviewer.

All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM). The validations were conducted and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the Quality Assurance Project Plan (QAPP) for the Former Western States Plywood SQAP dated July, 2020, the technical specifications of USEPA CLP SOW for Organic Data Review (SOM02.4, 10/2016), for VOA & SVOC-SIM, the Contract Laboratory Program's National Functional Guidelines for Organic Data Review (EPA-540-R-2017-002, 01/2017) and the Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R08-005).

Some data qualifiers might have been adjusted using the reviewer's professional judgment and project specific criteria. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the reviewed data.

Note: Due to widened 1,4-Dioxane acceptable QC limits to 15 % to 120% per CLP, the qualification was performed by the reviewer accordingly. Furthermore, JLTT0, JLTR2RE, JLTR5RE from the volatile fraction and JLTT0, JLTQ5, JLTR2, JLTX5, JLTX6 from the SVOC-SIM was selected for reporting by the reviewer.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Soil Low/Medium Volatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	Y*	Non-detect or < 5X Blank†
Initial Calibration Verification	N	Min. RRF: 0.010 to 0.600‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.600‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y*	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	Y*	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Tables 18(VOC) for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

Soil Semivolatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	Y*	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y*	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable

		Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

Soil SIM Organic Analysis

Quality Control Test	Outliers?	Evaluation Criteria
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y*	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	Y*	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Tables 34(SVOC) for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review" section of this report.

Control Required Quantitation Limits: Sample data with values reported below the CRQL are qualified J.

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s) when needed to indicate associated out-of-control QA/QC results.

U	The analyte was not detected at or above the reported result.
J	The analyte was positively identified. The associated numerical result is an estimate.
UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
R	The data are unusable for all purposes.
Q	The result is estimated because the concentration is below the contract required Quantitation Limit (CRQLs)

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

Blanks

Method - Volatile Organics

Test Name: EXES-1104
Defect Message: The following samples have analyte results reported less than CRQLs. The associated method blank results are less than CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Associated Samples: JLTQ0, JLTQ2, JLTQ8, JLTQ9, JLTR0, JLTR1, JLTR2, JLTR3, JLTR4, JLTR5, JLTT0, JLTT1, JLTT6, JLTT7, JLTY3

Defective Analyte	Defective Samples/Analyses
Methylene chloride	JLTQ0, JLTQ2, JLTQ8, JLTQ9, JLTR0, JLTR1, JLTR2[Reinjection-01], JLTR3, JLTR4, JLTR5[Reinjection-01], JLTT0, JLTT1, JLTT6, JLTT7, JLTY3

InternalStandard

Method - Volatile Organics

Test Name: EXES-1522
Defect Message: The following samples have internal standard area response less than expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as unusable R.

Associated Samples: JLTR5, JLTT0

Defective Analyte	Defective Samples/Analyses
1,4-Difluorobenzene	JLTR5
Chlorobenzene-d5	JLTR5
1,4-Dichlorobenzene-d4	JLTR5

Test Name: EXES-1523
Defect Message: The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTR2, JLTT0

Defective Analyte	Defective Samples/Analyses
1,4-Difluorobenzene	JLTT0
1,4-Dichlorobenzene-d4	JLTR2, JLTT0

DMC_Surrogate

Method - Volatile Organics

Test Name: EXES-1350
Defect Message: The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTR2, JLTT0, JLTT1

Defective Analyte	Defective Samples/Analyses
1,2-Dichlorobenzene-d4	JLTR2, JLTT0, JLTT1

Test Name: EXES-982
Defect Message: The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria Detects are qualified as estimated J. Use professional judgment to qualify nondetects.

Associated Samples: JLTR2, JLTR5, JLTT0

Defective Analyte	Defective Samples/Analyses
Vinyl Chloride-d3	JLTR5
Chloroethane-d5	JLTR5
1,1-Dichloroethene-d2	JLTR5
1,2-Dichloropropane-d6	JLTR2, JLTT0
1,1,2,2-Tetrachloroethane-d2	JLTR5, JLTT0

TargetAnalyteQuantitation

Method - Volatile Organics

Test Name: EXES-790
Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: JLTQ0, JLTQ2, JLTQ8, JLTQ9, JLTR0, JLTR1, JLTR2, JLTR3, JLTR4, JLTR5, JLTT0, JLTT1, JLTT6, JLTT7, JLTY3

Defective Analyte	Defective Samples/Analyses
Acetone	JLTQ0, JLTR1, JLTR4, VBLKFS
Methyl acetate	JLTR5[Reinjection-01], JLTY3
Methylene chloride	JLTQ0, JLTQ2, JLTQ8, JLTQ9, JLTR0, JLTR1, JLTR2[Reinjection-01], JLTR3, JLTR4, JLTR5[Reinjection-01], JLTT0, JLTT1, JLTT6, JLTT7, JLTY3
2-Butanone	JLTQ2
Benzene	JLTQ2, JLTQ9, JLTR1, JLTR3, JLTR4, JLTT1, JLTT6, JLTT7, JLTY3
Toluene	JLTR2[Reinjection-01], JLTR3, JLTR4, JLTT0, JLTT6
m, p-Xylene	JLTR3

Blanks

ContinuingCalibrationVerification

Method - Semivolatiles

Test Name: EXES-1209
Defect Message: The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detecteds are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTQ0, JLTQ2, JLTQ4, JLTQ5, JLTQ8, JLTQ9, JLTR0, JLTR1, JLTR2, JLTR3, JLTR4, JLTR5, JLTT0, JLTT1, JLTT6, JLTT7, JLTX4, JLTX5, JLTX6, JLTY3, SBLK58

Defective Analyte	Defective Samples/Analyses
2-Nitroaniline	SSTD020AM

DMC_Surrogate

Method - Semivolatiles

Test Name: EXES-107
Defect Message: The following undiluted sample analyses have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as unusable R.

Associated Samples: JLTX5

Defective Analyte	Defective Samples/Analyses
1,4-Dioxane-d8	JLTX5

Test Name: EXES-229
Defect Message: The following undiluted sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTR0, JLTR2, JLTT6, JLTT7, JLTY3

Defective Analyte	Defective Samples/Analyses
1,4-Dioxane-d8	JLTR0, JLTR2, JLTT6, JLTT7, JLTY3

Test Name: EXES-230
Defect Message: The following undiluted sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTT0

Defective Analyte	Defective Samples/Analyses
4-Methylphenol-d8	JLTT0
4,6-Dinitro-2-methylphenol-d2	JLTT0
Benzo(a)pyrene-d12	JLTT0

TargetAnalyteQuantitation

Test Name: EXES-790
Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: JLTQ2, JLTQ5, JLTR0, JLTR4, JLTT6

Defective Analyte	Defective Samples/Analyses
3-Methylphenol + 4-Methylphenol	JLTQ5
Phenanthrene	JLTQ5
Anthracene	JLTQ5
bis(2-Ethylhexyl)phthalate	JLTQ2, JLTR0, JLTR4, JLTT6

InternalStandard

Method - Semivolatiles by SIM

Test Name: EXES-1524
Defect Message: The following samples have internal standard area response greater than maximum criteria. Detected compounds are qualified estimated J. Nondetects are not qualified.

Associated Samples: JLTQ5, JLTR2, JLTX5, JLTX6

Defective Analyte	Defective Samples/Analyses
Chrysene-d12	JLTQ5, JLTR2, JLTX5, JLTX6

DMC_Surrogate

Method - Semivolatiles by SIM

Test Name: EXES-229
Defect Message: The following undiluted sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTT0

Defective Analyte	Defective Samples/Analyses
Fluoranthene-d10	JLTT0

TargetAnalyteQuantitation

Method - Semivolatiles by SIM

Test Name: EXES-790
Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: JLTQ0, JLTQ2, JLTQ4, JLTQ5, JLTQ8, JLTQ9, JLTR0, JLTR1, JLTR2, JLTR3, JLTR4, JLTR5, JLTT0, JLTT1, JLTT6, JLTT7, JLTX4, JLTX5, JLTX6

Defective Analyte	Defective Samples/Analyses
Naphthalene	JLTQ0, JLTQ2, JLTQ4, JLTQ8, JLTR0, JLTR2, JLTR4, JLTT0, JLTT7, JLTX4
2-Methylnaphthalene	JLTQ0, JLTQ2, JLTQ4, JLTQ8, JLTQ9, JLTR1, JLTR2, JLTR3, JLTR4, JLTX4
Acenaphthylene	JLTT6, JLTX4, JLTX5, JLTX6
Acenaphthene	JLTQ5, JLTX4, JLTX5, JLTX6
Fluorene	JLTR2, JLTT6, JLTX4, JLTX5, JLTX6
Pentachlorophenol	JLTX5, JLTX6
Phenanthrene	JLTQ0, JLTQ2, JLTQ8, JLTQ9, JLTR1, JLTR3, JLTR5, JLTT0, JLTT1, JLTT7
Anthracene	JLTQ4
Fluoranthene	JLTR3, JLTR4, JLTT1
Pyrene	JLTQ4, JLTR2, JLTR4, JLTX6
Benzo(a)anthracene	JLTR0, JLTR4, JLTT6, JLTX4
Chrysene	JLTQ2, JLTQ4, JLTQ9, JLTR1, JLTR3, JLTR4, JLTT1, JLTX4, JLTX6
Benzo(b)fluoranthene	JLTQ2, JLTQ4, JLTQ5, JLTQ9, JLTR1, JLTR3, JLTR4, JLTX4, JLTX6
Benzo(k)fluoranthene	JLTR0, JLTT6
Indeno(1,2,3-cd)pyrene	JLTQ5, JLTT6

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL01GP01	pH:	Sample Date: 09/09/2020	Sample Time: 09:58:00
% Moisture:		% Solids: 81.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	U	ug/kg	82	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target	400	R	ug/kg	400	U	1.0	NO	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluoranthene	Target	400	R	ug/kg	400	U	1.0	NO	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-05	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-06	TIC	110	J	ug/kg	110	J	1.0	NO	NV
Unknown-07	TIC	120	J	ug/kg	120	J	1.0	NO	NV
Unknown-08	TIC	93	J	ug/kg	93	J	1.0	NO	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	740	NJ	ug/kg	740	NJ	1.0	NO	NV
Oxalic acid, isobutyl pentadecyl ester	TIC	110	NJ	ug/kg	110	NJ	1.0	NO	NV
Unknown-09	TIC	100	J	ug/kg	100	J	1.0	NO	NV
Unknown-10	TIC	83	J	ug/kg	83	J	1.0	NO	NV
Unknown-04	TIC	1000	J	ug/kg	1000	J	1.0	NO	NV
.gamma.-Sitosterol	TIC	86	NJ	ug/kg	86	NJ	1.0	NO	NV
Unknown-02	TIC	240	J	ug/kg	240	J	1.0	NO	NV
Unknown-01	TIC	120	J	ug/kg	120	J	1.0	NO	NV
Unknown Alkane-01	TIC	94	J	ug/kg	94	J	1.0	NO	NV
Unknown-11	TIC	150	J	ug/kg	150	J	1.0	NO	NV
Unknown-03	TIC	230	J	ug/kg	230	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL01GP01	pH:	Sample Date: 09/09/2020	Sample Time: 09:58:00
% Moisture:		% Solids: 81.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Phenanthrene	Target	0.65	JQ	ug/kg	0.65	J	1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Chrysene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL01GP01	pH:	Sample Date: 09/09/2020	Sample Time: 09:58:00
% Moisture:		% Solids: 81.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Chloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Bromomethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Chloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Acetone	Target	10	JQ	ug/kg	10	J	1.0	YES	S4VEM
Carbon disulfide	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Methyl acetate	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Methylene chloride	Target	5.5	U	ug/kg	2.5	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Chloroform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Cyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Benzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Trichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Toluene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
o-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Styrene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Bromoform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S4VEM
Unknown-01	TIC	9.3	JB	ug/kg	9.3	JB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotrisiloxane, hexamethyl-	TIC	5.6	NJB	ug/kg	5.6	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL02GP01	pH:	Sample Date: 09/09/2020	Sample Time: 11:17:00
% Moisture:		% Solids: 83.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	80	U	ug/kg	80	U	1.0	YES	S4VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Naphthalene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Dimethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Acenaphthylene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Acenaphthene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Fluorene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Pentachlorophenol	Target	390	R	ug/kg	390	U	1.0	NO	S4VEM
Phenanthrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Anthracene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	390	R	ug/kg	390	U	1.0	NO	S4VEM
Pyrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Chrysene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	47	JQ	ug/kg	47	J	1.0	YES	S4VEM
Di-n-octylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	380	NJ	ug/kg	380	NJ	1.0	NO	NV
9-Eicosene, (E)-	TIC	140	NJ	ug/kg	140	NJ	1.0	NO	NV
Unknown-07	TIC	130	J	ug/kg	130	J	1.0	NO	NV
Cyclopentasiloxane, decamethyl-	TIC	110	NJ	ug/kg	110	NJ	1.0	NO	NV
Unknown-06	TIC	220	J	ug/kg	220	J	1.0	NO	NV
Unknown-05	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-04	TIC	780	J	ug/kg	780	J	1.0	NO	NV
Unknown-03	TIC	87	J	ug/kg	87	J	1.0	NO	NV
.beta.-Sitosterol	TIC	99	NJ	ug/kg	99	NJ	1.0	NO	NV
Unknown-01	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-02	TIC	96	J	ug/kg	96	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL02GP01	pH:	Sample Date: 09/09/2020	Sample Time: 11:17:00
% Moisture:		% Solids: 83.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.75	JQ	ug/kg	0.75	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Acenaphthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Fluorene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.0	U	ug/kg	8.0	U	1.0	YES	S4VEM
Phenanthrene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Fluoranthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Chrysene	Target	0.62	JQ	ug/kg	0.62	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.72	JQ	ug/kg	0.72	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL02GP01	pH:	Sample Date: 09/09/2020	Sample Time: 11:17:00
% Moisture:		% Solids: 83.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Chloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Bromomethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Chloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Acetone	Target	69		ug/kg	69		1.0	YES	S4VEM
Carbon disulfide	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Methyl acetate	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Methylene chloride	Target	7.5	U	ug/kg	4.5	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
2-Butanone	Target	7.5	JQ	ug/kg	7.5	J	1.0	YES	S4VEM
Bromochloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Chloroform	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Cyclohexane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Benzene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Trichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Toluene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
o-Xylene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
m, p-Xylene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Styrene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Bromoform	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	10	NJB	ug/kg	10	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL03TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:09:00
% Moisture:		% Solids: 90.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	73	U	ug/kg	73	U	1.0	YES	S4VEM
Benzaldehyde	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Phenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Acetophenone	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chloroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
3-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Acenaphthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4-Nitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Pentachlorophenol	Target	360	R	ug/kg	360	U	1.0	NO	S4VEM
Phenanthrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Carbazole	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluoranthene	Target	360	R	ug/kg	360	U	1.0	NO	S4VEM
Pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Chrysene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Unknown-01	TIC	2100	J	ug/kg	2100	J	1.0	NO	NV
Unknown-12	TIC	520	J	ug/kg	520	J	1.0	NO	NV
Unknown-02	TIC	280	J	ug/kg	280	J	1.0	NO	NV
5-Eicosene, (E)-	TIC	4300	NJ	ug/kg	4300	NJ	1.0	NO	NV
Docosanoic acid	TIC	1500	NJ	ug/kg	1500	NJ	1.0	NO	NV
Unknown-03	TIC	520	J	ug/kg	520	J	1.0	NO	NV
n-Tetracosanol-1	TIC	310	NJ	ug/kg	310	NJ	1.0	NO	NV
17-Octadecenal	TIC	170	NJ	ug/kg	170	NJ	1.0	NO	NV
Unknown Alkane-01	TIC	5400	J	ug/kg	5400	J	1.0	NO	NV
Unknown-04	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Tetracosanoic acid, methyl ester	TIC	150	NJ	ug/kg	150	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	2400	NJ	ug/kg	2400	NJ	1.0	NO	NV
Unknown Alkane-02	TIC	780	J	ug/kg	780	J	1.0	NO	NV
1-Docosene	TIC	150	NJ	ug/kg	150	NJ	1.0	NO	NV
Unknown Alkane-03	TIC	410	J	ug/kg	410	J	1.0	NO	NV
Unknown-05	TIC	210	J	ug/kg	210	J	1.0	NO	NV
Unknown-06	TIC	230	J	ug/kg	230	J	1.0	NO	NV
Unknown-07	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Ergost-5-en-3-ol, (3.beta.)-	TIC	1500	NJ	ug/kg	1500	NJ	1.0	NO	NV
Cholestanol	TIC	290	NJ	ug/kg	290	NJ	1.0	NO	NV
Stigmasterol	TIC	260	NJ	ug/kg	260	NJ	1.0	NO	NV
.beta.-Sitosterol	TIC	3300	NJ	ug/kg	3300	NJ	1.0	NO	NV
Stigmastanol	TIC	870	NJ	ug/kg	870	NJ	1.0	NO	NV
A'-Neogammacer-22(29)-ene	TIC	270	NJ	ug/kg	270	NJ	1.0	NO	NV
Unknown-08	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Unknown-09	TIC	420	J	ug/kg	420	J	1.0	NO	NV
Unknown-10	TIC	240	J	ug/kg	240	J	1.0	NO	NV
Unknown-11	TIC	440	J	ug/kg	440	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	1500	NJ	ug/kg	1500	NJ	1.0	NO	NV
18-Norabietane	TIC	930	NJ	ug/kg	930	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL03TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:09:00
% Moisture:		% Solids: 90.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Acenaphthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Fluorene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Phenanthrene	Target	5.2		ug/kg	5.2		1.0	YES	S4VEM
Anthracene	Target	0.45	JQ	ug/kg	0.45	J	1.0	YES	S4VEM
Fluoranthene	Target	5.3		ug/kg	5.3		1.0	YES	S4VEM
Pyrene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	6.7		ug/kg	6.7		1.0	YES	S4VEM
Chrysene	Target	2.3	JQ	ug/kg	2.3	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	2.8	JQ	ug/kg	2.8	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL03TP02	pH:	Sample Date: 09/09/2020	Sample Time: 13:00:00
% Moisture:		% Solids: 76.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	86	U	ug/kg	86	U	1.0	YES	S4VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Phenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Acetophenone	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	81	JQ	ug/kg	81	J	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
3-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Acenaphthene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4-Nitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Pentachlorophenol	Target	420	R	ug/kg	420	U	1.0	NO	S4VEM
Phenanthrene	Target	38	R	ug/kg	38	J	1.0	NO	S4VEM
Anthracene	Target	62	R	ug/kg	62	J	1.0	NO	S4VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	420	R	ug/kg	420	U	1.0	NO	S4VEM
Pyrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Chrysene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Unknown-01	TIC	2500	J	ug/kg	2500	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	13000	NJ	ug/kg	13000	NJ	1.0	NO	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	2700	NJ	ug/kg	2700	NJ	1.0	NO	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	2600	NJ	ug/kg	2600	NJ	1.0	NO	NV
Unknown-02	TIC	9600	J	ug/kg	9600	J	1.0	NO	NV
Unknown-03	TIC	320	J	ug/kg	320	J	1.0	NO	NV
1-Hexadecanol	TIC	86	NJ	ug/kg	86	NJ	1.0	NO	NV
Retene	TIC	2700	NJ	ug/kg	2700	NJ	1.0	NO	NV
Eicosanoic acid	TIC	100	NJ	ug/kg	100	NJ	1.0	NO	NV
3-Eicosene, (E)-	TIC	1000	NJ	ug/kg	1000	NJ	1.0	NO	NV
Unknown-04	TIC	540	J	ug/kg	540	J	1.0	NO	NV
Unknown Alkane-01	TIC	1100	J	ug/kg	1100	J	1.0	NO	NV
Tetracosanoic acid, methyl ester	TIC	95	NJ	ug/kg	95	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	880	NJ	ug/kg	880	NJ	1.0	NO	NV
Ethyl tetracosanoate	TIC	410	NJ	ug/kg	410	NJ	1.0	NO	NV
17-Pentatriacontene	TIC	1900	NJ	ug/kg	1900	NJ	1.0	NO	NV
2-Methyl-Z-4-tetradecene	TIC	1700	NJ	ug/kg	1700	NJ	1.0	NO	NV
Unknown-05	TIC	5500	J	ug/kg	5500	J	1.0	NO	NV
Unknown-06	TIC	2100	J	ug/kg	2100	J	1.0	NO	NV
Unknown-07	TIC	4100	J	ug/kg	4100	J	1.0	NO	NV
Campesterol	TIC	4400	NJ	ug/kg	4400	NJ	1.0	NO	NV
Unknown-08	TIC	7900	J	ug/kg	7900	J	1.0	NO	NV
Unknown-09	TIC	35000	J	ug/kg	35000	J	1.0	NO	NV
Stigmastanol	TIC	5400	NJ	ug/kg	5400	NJ	1.0	NO	NV
Unknown-10	TIC	1800	J	ug/kg	1800	J	1.0	NO	NV
Unknown-11	TIC	3000	J	ug/kg	3000	J	1.0	NO	NV
Unknown-12	TIC	1500	J	ug/kg	1500	J	1.0	NO	NV
18-Norabietane	TIC	7800	NJ	ug/kg	7800	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL03TP02	pH:	Sample Date: 09/09/2020	Sample Time: 13:00:00
% Moisture:		% Solids: 76.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.7		ug/kg	4.7		1.0	YES	S4VEM
2-Methylnaphthalene	Target	9.6		ug/kg	9.6		1.0	YES	S4VEM
Acenaphthylene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Acenaphthene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Fluorene	Target	7.5		ug/kg	7.5		1.0	YES	S4VEM
Pentachlorophenol	Target	25		ug/kg	25		1.0	YES	S4VEM
Phenanthrene	Target	33		ug/kg	33		1.0	YES	S4VEM
Anthracene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Fluoranthene	Target	51		ug/kg	51		1.0	YES	S4VEM
Pyrene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	22	J	ug/kg	22		1.0	YES	S4VEM
Chrysene	Target	14	J	ug/kg	14		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	JQ	ug/kg	4.0	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	20		ug/kg	20		1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 72.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	93	U	ug/kg	93	U	1.0	YES	S4VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Phenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Naphthalene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Nitroaniline	Target	240	UJ	ug/kg	240	U	1.0	YES	S4VEM
Dimethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Acenaphthylene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Acenaphthene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Fluorene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Pentachlorophenol	Target	460	R	ug/kg	460	U	1.0	NO	S4VEM
Phenanthrene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Anthracene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Carbazole	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	460	R	ug/kg	460	U	1.0	NO	S4VEM
Pyrene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Chrysene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	240	R	ug/kg	240	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Unknown-15	TIC	450	J	ug/kg	450	J	1.0	NO	NV
Unknown-16	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Unknown-17	TIC	200	J	ug/kg	200	J	1.0	NO	NV
Unknown-18	TIC	130	J	ug/kg	130	J	1.0	NO	NV
Unknown-19	TIC	110	J	ug/kg	110	J	1.0	NO	NV
Unknown-20	TIC	110	J	ug/kg	110	J	1.0	NO	NV
Unknown-21	TIC	120	J	ug/kg	120	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	340	NJ	ug/kg	340	NJ	1.0	NO	NV
.gamma.-Sitosterol	TIC	180	NJ	ug/kg	180	NJ	1.0	NO	NV
D-Friedoolean-14-en-3-one	TIC	460	NJ	ug/kg	460	NJ	1.0	NO	NV
Unknown-22	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Unknown-23	TIC	150	J	ug/kg	150	J	1.0	NO	NV
Unknown-14	TIC	150	J	ug/kg	150	J	1.0	NO	NV
Unknown-13	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Unknown-12	TIC	210	J	ug/kg	210	J	1.0	NO	NV
Unknown-11	TIC	160	J	ug/kg	160	J	1.0	NO	NV
Unknown-10	TIC	1800	J	ug/kg	1800	J	1.0	NO	NV
Unknown-09	TIC	2200	J	ug/kg	2200	J	1.0	NO	NV
1-Docosene	TIC	1300	NJ	ug/kg	1300	NJ	1.0	NO	NV
Unknown-08	TIC	2300	J	ug/kg	2300	J	1.0	NO	NV
Unknown-07	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-06	TIC	290	J	ug/kg	290	J	1.0	NO	NV
Unknown-24	TIC	170	J	ug/kg	170	J	1.0	NO	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	150	NJ	ug/kg	150	NJ	1.0	NO	NV
Unknown-05	TIC	270	J	ug/kg	270	J	1.0	NO	NV
Unknown-04	TIC	290	J	ug/kg	290	J	1.0	NO	NV
Unknown-03	TIC	120	J	ug/kg	120	J	1.0	NO	NV
Unknown-02	TIC	340	J	ug/kg	340	J	1.0	NO	NV
Unknown-01	TIC	970	J	ug/kg	970	J	1.0	NO	NV
Bromoacetic acid, hexadecyl ester	TIC	150	NJ	ug/kg	150	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ8	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 72.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.96	JQ	ug/kg	0.96	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Acenaphthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Fluorene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Pentachlorophenol	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Phenanthrene	Target	0.64	JQ	ug/kg	0.64	J	1.0	YES	S4VEM
Anthracene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Fluoranthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Pyrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Chrysene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 72.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Chloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Bromomethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Chloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Acetone	Target	39		ug/kg	39		1.0	YES	S4VEM
Carbon disulfide	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Methyl acetate	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Methylene chloride	Target	7.0	U	ug/kg	3.1	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Bromochloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Chloroform	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Cyclohexane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Benzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Trichloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Toluene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
o-Xylene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Styrene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Bromoform	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.0	U	ug/kg	7.0	U	1.0	YES	S4VEM
Unknown-02	TIC	8.8	J	ug/kg	8.8	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotrisiloxane, hexamethyl-	TIC	13	NJB	ug/kg	13	NJB	1.0	NO	NV
Unknown-01	TIC	23	JB	ug/kg	23	JB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 74.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	89	U	ug/kg	89	U	1.0	YES	S4VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Phenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Naphthalene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitroaniline	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Dimethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Acenaphthylene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Acenaphthene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Fluorene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Pentachlorophenol	Target	440	R	ug/kg	440	U	1.0	NO	S4VEM
Phenanthrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Anthracene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	440	R	ug/kg	440	U	1.0	NO	S4VEM
Pyrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Chrysene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Unknown-07	TIC	120	J	ug/kg	120	J	1.0	NO	NV
Unknown-08	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-06	TIC	200	J	ug/kg	200	J	1.0	NO	NV
Pentafluoropropionic acid, tridecyl este	TIC	110	NJ	ug/kg	110	NJ	1.0	NO	NV
Unknown-05	TIC	89	J	ug/kg	89	J	1.0	NO	NV
Unknown-04	TIC	94	J	ug/kg	94	J	1.0	NO	NV
Unknown-03	TIC	230	J	ug/kg	230	J	1.0	NO	NV
Unknown-01	TIC	1200	J	ug/kg	1200	J	1.0	NO	NV
Unknown-09	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Unknown-02	TIC	210	J	ug/kg	210	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ9	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 74.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.91	JQ	ug/kg	0.91	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Acenaphthene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Fluorene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Phenanthrene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Fluoranthene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Chrysene	Target	0.59	JQ	ug/kg	0.59	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.56	JQ	ug/kg	0.56	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 74.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Bromomethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Acetone	Target	40		ug/kg	40		1.0	YES	S4VEM
Carbon disulfide	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methyl acetate	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methylene chloride	Target	6.3	U	ug/kg	4.0	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chloroform	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Cyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Benzene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Trichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Toluene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
o-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Styrene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Bromoform	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Unknown-01	TIC	7.1	JB	ug/kg	7.1	JB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Ethyl Acetate	TIC	62	NJ	ug/kg	62	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 85.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	77	UJ	ug/kg	77	U	1.0	YES	S4VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Phenol	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Naphthalene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Dimethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Acenaphthylene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Acenaphthene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Fluorene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Pentachlorophenol	Target	380	R	ug/kg	380	U	1.0	NO	S4VEM
Phenanthrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Anthracene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	380	R	ug/kg	380	U	1.0	NO	S4VEM
Pyrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Chrysene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	37	JQ	ug/kg	37	J	1.0	YES	S4VEM
Di-n-octylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	200	R	ug/kg	200	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Unknown-12	TIC	690	J	ug/kg	690	J	1.0	NO	NV
Unknown Alkane-06	TIC	790	J	ug/kg	790	J	1.0	NO	NV
Unknown-13	TIC	730	J	ug/kg	730	J	1.0	NO	NV
Unknown-14	TIC	910	J	ug/kg	910	J	1.0	NO	NV
Unknown Alkane-07	TIC	590	J	ug/kg	590	J	1.0	NO	NV
Unknown-15	TIC	470	J	ug/kg	470	J	1.0	NO	NV
Pyridine-3-carboxamide, oxime, N-(2-trif	TIC	460	NJ	ug/kg	460	NJ	1.0	NO	NV
Unknown Alkane-08	TIC	510	J	ug/kg	510	J	1.0	NO	NV
Unknown-16	TIC	620	J	ug/kg	620	J	1.0	NO	NV
Unknown-17	TIC	1100	J	ug/kg	1100	J	1.0	NO	NV
Isoheptadecanol	TIC	3100	NJ	ug/kg	3100	NJ	1.0	NO	NV
1-Docosene	TIC	3200	NJ	ug/kg	3200	NJ	1.0	NO	NV
Unknown-11	TIC	610	J	ug/kg	610	J	1.0	NO	NV
Unknown Alkane-05	TIC	600	J	ug/kg	600	J	1.0	NO	NV
Unknown Alkane-04	TIC	610	J	ug/kg	610	J	1.0	NO	NV
Unknown-10	TIC	460	J	ug/kg	460	J	1.0	NO	NV
Unknown-09	TIC	740	J	ug/kg	740	J	1.0	NO	NV
Unknown-08	TIC	520	J	ug/kg	520	J	1.0	NO	NV
Unknown-07	TIC	750	J	ug/kg	750	J	1.0	NO	NV
Unknown Alkane-03	TIC	790	J	ug/kg	790	J	1.0	NO	NV
Unknown Alkane-02	TIC	740	J	ug/kg	740	J	1.0	NO	NV
Unknown-06	TIC	590	J	ug/kg	590	J	1.0	NO	NV
17-(1,5-Dimethylhexyl)-10,13-dimethyl-4-	TIC	1700	NJ	ug/kg	1700	NJ	1.0	NO	NV
Unknown Alkane-01	TIC	1200	J	ug/kg	1200	J	1.0	NO	NV
Unknown-04	TIC	680	J	ug/kg	680	J	1.0	NO	NV
Unknown-03	TIC	520	J	ug/kg	520	J	1.0	NO	NV
Unknown-02	TIC	490	J	ug/kg	490	J	1.0	NO	NV
Unknown-01	TIC	640	J	ug/kg	640	J	1.0	NO	NV
Pentadecane, 2,6,10,14-tetramethyl-	TIC	1600	NJ	ug/kg	1600	NJ	1.0	NO	NV
Unknown-05	TIC	520	J	ug/kg	520	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 85.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.5	JQ	ug/kg	3.5	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2		ug/kg	5.2		1.0	YES	S4VEM
Acenaphthylene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Acenaphthene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Fluorene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S4VEM
Phenanthrene	Target	12		ug/kg	12		1.0	YES	S4VEM
Anthracene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Fluoranthene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Pyrene	Target	9.0		ug/kg	9.0		1.0	YES	S4VEM
Benzo(a)anthracene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Chrysene	Target	7.3		ug/kg	7.3		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.6		ug/kg	4.6		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.60	JQ	ug/kg	0.60	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 85.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Chloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Bromomethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Chloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Acetone	Target	14		ug/kg	14		1.0	YES	S4VEM
Carbon disulfide	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Methyl acetate	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Methylene chloride	Target	6.9	U	ug/kg	3.3	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Bromochloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Chloroform	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Cyclohexane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Benzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Trichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Toluene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
o-Xylene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Styrene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Bromoform	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	YES	S4VEM
Unknown-01	TIC	10	JB	ug/kg	10	JB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	U	ug/kg	82	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target	410	R	ug/kg	410	U	1.0	NO	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	410	R	ug/kg	410	U	1.0	NO	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown Alkane-02	TIC	130	J	ug/kg	130	J	1.0	NO	NV
Unknown-09	TIC	88	J	ug/kg	88	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	360	NJ	ug/kg	360	NJ	1.0	NO	NV
Unknown-10	TIC	82	J	ug/kg	82	J	1.0	NO	NV
Unknown-01	TIC	900	J	ug/kg	900	J	1.0	NO	NV
n-Nonadecanol-1	TIC	490	NJ	ug/kg	490	NJ	1.0	NO	NV
Unknown Alkane-01	TIC	380	J	ug/kg	380	J	1.0	NO	NV
Unknown-02	TIC	90	J	ug/kg	90	J	1.0	NO	NV
Unknown-03	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-04	TIC	97	J	ug/kg	97	J	1.0	NO	NV
Unknown-05	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-06	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-07	TIC	110	J	ug/kg	110	J	1.0	NO	NV
Unknown-08	TIC	88	J	ug/kg	88	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR1	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.46	JQ	ug/kg	0.46	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Phenanthrene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	0.62	JQ	ug/kg	0.62	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.66	JQ	ug/kg	0.66	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Bromomethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Acetone	Target	6.2	JQ	ug/kg	6.2	J	1.0	YES	S4VEM
Carbon disulfide	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methyl acetate	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methylene chloride	Target	6.3	U	ug/kg	3.4	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chloroform	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Cyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Benzene	Target	0.98	JQ	ug/kg	0.98	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Trichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Toluene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
o-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Styrene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Bromoform	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	17	NJB	ug/kg	17	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Ethyl Acetate	TIC	21	NJ	ug/kg	21	NJ	1.0	NO	NV
Cyclotrisiloxane, hexamethyl-	TIC	11	NJB	ug/kg	11	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 89.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	73	UJ	ug/kg	73	U	1.0	YES	S4VEM
Benzaldehyde	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Phenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2-Chlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Acetophenone	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Hexachloroethane	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Nitrobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Isophorone	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Nitrophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Naphthalene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
4-Chloroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Caprolactam	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Nitroaniline	Target	180	UJ	ug/kg	180	U	1.0	YES	S4VEM
Dimethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Acenaphthylene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
3-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Acenaphthene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4-Nitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Dibenzofuran	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Diethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Fluorene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
4-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Atrazine	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Pentachlorophenol	Target	360	R	ug/kg	360	U	1.0	NO	S4VEM
Phenanthrene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Anthracene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Carbazole	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	360	R	ug/kg	360	U	1.0	NO	S4VEM
Pyrene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Chrysene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	180	R	ug/kg	180	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Unknown-09	TIC	760	J	ug/kg	760	J	1.0	NO	NV
Unknown-10	TIC	1100	J	ug/kg	1100	J	1.0	NO	NV
Tetradecanal	TIC	900	NJ	ug/kg	900	NJ	1.0	NO	NV
Unknown-11	TIC	650	J	ug/kg	650	J	1.0	NO	NV
Unknown-12	TIC	1600	J	ug/kg	1600	J	1.0	NO	NV
Chloroacetic acid, dodecyl ester	TIC	1200	NJ	ug/kg	1200	NJ	1.0	NO	NV
Methoxyacetic acid, 2-tetradecyl ester	TIC	890	NJ	ug/kg	890	NJ	1.0	NO	NV
Unknown-13	TIC	2000	J	ug/kg	2000	J	1.0	NO	NV
Campesterol	TIC	870	NJ	ug/kg	870	NJ	1.0	NO	NV
.gamma.-Sitosterol	TIC	5000	NJ	ug/kg	5000	NJ	1.0	NO	NV
2(1H)Naphthalenone, 3,5,6,7,8,8a-hexahyd	TIC	620	NJ	ug/kg	620	NJ	1.0	NO	NV
Unknown-14	TIC	950	J	ug/kg	950	J	1.0	NO	NV
Unknown-08	TIC	640	J	ug/kg	640	J	1.0	NO	NV
Ethyl tetracosanoate	TIC	1900	NJ	ug/kg	1900	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	3400	NJ	ug/kg	3400	NJ	1.0	NO	NV
Unknown-07	TIC	520	J	ug/kg	520	J	1.0	NO	NV
Unknown-06	TIC	440	J	ug/kg	440	J	1.0	NO	NV
Tetracosanoic acid, methyl ester	TIC	830	NJ	ug/kg	830	NJ	1.0	NO	NV
2-Pentacosanone	TIC	780	NJ	ug/kg	780	NJ	1.0	NO	NV
Unknown Alkane-01	TIC	13000	J	ug/kg	13000	J	1.0	NO	NV
Unknown-05	TIC	800	J	ug/kg	800	J	1.0	NO	NV
Unknown-04	TIC	620	J	ug/kg	620	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	3800	NJ	ug/kg	3800	NJ	1.0	NO	NV
Unknown-02	TIC	1200	J	ug/kg	1200	J	1.0	NO	NV
Docosanoic acid	TIC	1900	NJ	ug/kg	1900	NJ	1.0	NO	NV
1-Heptacosanol	TIC	7800	NJ	ug/kg	7800	NJ	1.0	NO	NV
4,4'-Bis(tetrahydrothiopyran)	TIC	410	NJ	ug/kg	410	NJ	1.0	NO	NV
1-Hexadecanol	TIC	610	NJ	ug/kg	610	NJ	1.0	NO	NV
Unknown-01	TIC	2000	J	ug/kg	2000	J	1.0	NO	NV
Unknown-03	TIC	690	J	ug/kg	690	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 89.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.6	JQ	ug/kg	2.6	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Acenaphthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Fluorene	Target	0.69	JQ	ug/kg	0.69	J	1.0	YES	S4VEM
Pentachlorophenol	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Phenanthrene	Target	13		ug/kg	13		1.0	YES	S4VEM
Anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Fluoranthene	Target	4.4		ug/kg	4.4		1.0	YES	S4VEM
Pyrene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	13	J	ug/kg	13		1.0	YES	S4VEM
Chrysene	Target	3.9	J	ug/kg	3.9		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	7.3		ug/kg	7.3		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 89.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Acetone	Target	100		ug/kg	100		1.0	YES	S4VEM
Carbon disulfide	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methyl acetate	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methylene chloride	Target	11	U	ug/kg	7.8	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
2-Butanone	Target	23	U	ug/kg	23	U	1.0	YES	S4VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Cyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Benzene	Target	24		ug/kg	24		1.0	YES	S4VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methylcyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	23	U	ug/kg	23	U	1.0	YES	S4VEM
Toluene	Target	7.7	JQ	ug/kg	7.7	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
2-Hexanone	Target	23	U	ug/kg	23	U	1.0	YES	S4VEM
Dibromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
o-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
m, p-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromoform	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Benzene, 1-ethyl-3-methyl-	TIC	14	NJ	ug/kg	14	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotetrasiloxane, octamethyl-	TIC	12	NJB	ug/kg	12	NJB	1.0	NO	NV
Benzene, 1,2,3-trimethyl-	TIC	19	NJ	ug/kg	19	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 87.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target	370	R	ug/kg	370	U	1.0	NO	S4VEM
Phenanthrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	370	R	ug/kg	370	U	1.0	NO	S4VEM
Pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Chrysene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	NO	S3VE
Unknown-04	TIC	110	J	ug/kg	110	J	1.0	NO	NV
Unknown-06	TIC	240	J	ug/kg	240	J	1.0	NO	NV
Unknown-07	TIC	83	J	ug/kg	83	J	1.0	NO	NV
Unknown-08	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-09	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-10	TIC	240	J	ug/kg	240	J	1.0	NO	NV
Unknown-11	TIC	100	J	ug/kg	100	J	1.0	NO	NV
Unknown-12	TIC	150	J	ug/kg	150	J	1.0	NO	NV
Unknown-13	TIC	90	J	ug/kg	90	J	1.0	NO	NV
Unknown-03	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-02	TIC	160	J	ug/kg	160	J	1.0	NO	NV
Unknown-01	TIC	1200	J	ug/kg	1200	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	1500	NJ	ug/kg	1500	NJ	1.0	NO	NV
Unknown-05	TIC	130	J	ug/kg	130	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR3	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 87.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.51	JQ	ug/kg	0.51	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Phenanthrene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluoranthene	Target	0.56	JQ	ug/kg	0.56	J	1.0	YES	S4VEM
Pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Chrysene	Target	0.82	JQ	ug/kg	0.82	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.95	JQ	ug/kg	0.95	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 87.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Chloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Bromomethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Chloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Acetone	Target	56		ug/kg	56		1.0	YES	S4VEM
Carbon disulfide	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Methyl acetate	Target	7.0		ug/kg	7.0		1.0	YES	S4VEM
Methylene chloride	Target	5.4	U	ug/kg	3.1	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Chloroform	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Cyclohexane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Benzene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Trichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Toluene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
o-Xylene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
m, p-Xylene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Styrene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Bromoform	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 81.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	83	U	ug/kg	83	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target	410	R	ug/kg	410	U	1.0	NO	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	410	R	ug/kg	410	U	1.0	NO	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	36	JQ	ug/kg	36	J	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown Alkane-01	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Unknown-11	TIC	290	J	ug/kg	290	J	1.0	NO	NV
Unknown-12	TIC	330	J	ug/kg	330	J	1.0	NO	NV
Unknown-13	TIC	4700	J	ug/kg	4700	J	1.0	NO	NV
Unknown-14	TIC	200	J	ug/kg	200	J	1.0	NO	NV
Unknown-15	TIC	610	J	ug/kg	610	J	1.0	NO	NV
Unknown-16	TIC	570	J	ug/kg	570	J	1.0	NO	NV
Unknown-17	TIC	470	J	ug/kg	470	J	1.0	NO	NV
.gamma.-Sitosterol	TIC	1700	NJ	ug/kg	1700	NJ	1.0	NO	NV
Unknown-18	TIC	220	J	ug/kg	220	J	1.0	NO	NV
Unknown-19	TIC	220	J	ug/kg	220	J	1.0	NO	NV
Unknown-20	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Unknown-10	TIC	210	J	ug/kg	210	J	1.0	NO	NV
Ethyl tetracosanoate	TIC	450	NJ	ug/kg	450	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	1800	NJ	ug/kg	1800	NJ	1.0	NO	NV
1-Docosene	TIC	6700	NJ	ug/kg	6700	NJ	1.0	NO	NV
Unknown-09	TIC	890	J	ug/kg	890	J	1.0	NO	NV
Unknown-08	TIC	2100	J	ug/kg	2100	J	1.0	NO	NV
Unknown-07	TIC	440	J	ug/kg	440	J	1.0	NO	NV
Octadecanoic acid, ethyl ester	TIC	350	NJ	ug/kg	350	NJ	1.0	NO	NV
Docosanoic acid	TIC	940	NJ	ug/kg	940	NJ	1.0	NO	NV
Behenic alcohol	TIC	6100	NJ	ug/kg	6100	NJ	1.0	NO	NV
Stigmast-4-en-3-one	TIC	1300	NJ	ug/kg	1300	NJ	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	2300	NJ	ug/kg	2300	NJ	1.0	NO	NV
Unknown-05	TIC	560	J	ug/kg	560	J	1.0	NO	NV
Unknown-04	TIC	560	J	ug/kg	560	J	1.0	NO	NV
Unknown-03	TIC	230	J	ug/kg	230	J	1.0	NO	NV
Unknown-02	TIC	400	J	ug/kg	400	J	1.0	NO	NV
Unknown-01	TIC	950	J	ug/kg	950	J	1.0	NO	NV
Unknown-06	TIC	260	J	ug/kg	260	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 81.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	2.0	JQ	ug/kg	2.0	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	27		ug/kg	27		1.0	YES	S4VEM
Phenanthrene	Target	5.5		ug/kg	5.5		1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
Pyrene	Target	3.4	JQ	ug/kg	3.4	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	JQ	ug/kg	4.0	J	1.0	YES	S4VEM
Chrysene	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR4	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 81.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Acetone	Target	12	JQ	ug/kg	12	J	1.0	YES	S4VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methyl acetate	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methylene chloride	Target	13	U	ug/kg	6.2	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
2-Butanone	Target	25	U	ug/kg	25	U	1.0	YES	S4VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Benzene	Target	4.4	JQ	ug/kg	4.4	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	25	U	ug/kg	25	U	1.0	YES	S4VEM
Toluene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
2-Hexanone	Target	25	U	ug/kg	25	U	1.0	YES	S4VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
o-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
m, p-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Unknown-01	TIC	34	JB	ug/kg	34	JB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotrisiloxane, hexamethyl-	TIC	19	NJB	ug/kg	19	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 90.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	73	U	ug/kg	73	U	1.0	YES	S4VEM
Benzaldehyde	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Phenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Acetophenone	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chloroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
3-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Acenaphthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4-Nitrophenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Pentachlorophenol	Target	360	R	ug/kg	360	U	1.0	NO	S4VEM
Phenanthrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Carbazole	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	360	R	ug/kg	360	U	1.0	NO	S4VEM
Pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Chrysene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	360	U	ug/kg	360	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Unknown-02	TIC	930	J	ug/kg	930	J	1.0	NO	NV
3-Hexene-2,5-dione	TIC	160	NJ	ug/kg	160	NJ	1.0	NO	NV
Unknown-03	TIC	210	J	ug/kg	210	J	1.0	NO	NV
Cyclopentasiloxane, decamethyl-	TIC	120	NJ	ug/kg	120	NJ	1.0	NO	NV
Bromoacetic acid, octadecyl ester	TIC	82	NJ	ug/kg	82	NJ	1.0	NO	NV
Unknown-04	TIC	130	J	ug/kg	130	J	1.0	NO	NV
Unknown-05	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-06	TIC	100	J	ug/kg	100	J	1.0	NO	NV
Unknown-07	TIC	720	J	ug/kg	720	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	2100	NJ	ug/kg	2100	NJ	1.0	NO	NV
Unknown-08	TIC	1700	J	ug/kg	1700	J	1.0	NO	NV
Unknown-09	TIC	12000	J	ug/kg	12000	J	1.0	NO	NV
Unknown-10	TIC	7100	J	ug/kg	7100	J	1.0	NO	NV
Unknown-11	TIC	14000	J	ug/kg	14000	J	1.0	NO	NV
Unknown-12	TIC	330	J	ug/kg	330	J	1.0	NO	NV
Unknown-13	TIC	200	J	ug/kg	200	J	1.0	NO	NV
Unknown-14	TIC	590	J	ug/kg	590	J	1.0	NO	NV
Unknown-15	TIC	84	J	ug/kg	84	J	1.0	NO	NV
Unknown-01	TIC	130	J	ug/kg	130	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 90.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Acenaphthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Fluorene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Phenanthrene	Target	0.37	JQ	ug/kg	0.37	J	1.0	YES	S4VEM
Anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Fluoranthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Chrysene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 90.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Chloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Bromomethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Chloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Acetone	Target	29		ug/kg	29		1.0	YES	S4VEM
Carbon disulfide	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Methyl acetate	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
Methylene chloride	Target	6.6	U	ug/kg	3.2	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromochloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Chloroform	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Cyclohexane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Benzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Trichloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Toluene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
o-Xylene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Styrene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Bromoform	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S4VEM
Ethyl Acetate	TIC	77	NJ	ug/kg	77	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotrisiloxane, hexamethyl-	TIC	37	NJB	ug/kg	37	NJB	1.0	NO	NV
Unknown-03	TIC	10	J	ug/kg	10	J	1.0	NO	NV
Unknown-02	TIC	27	J	ug/kg	27	J	1.0	NO	NV
Unknown-01	TIC	130	JB	ug/kg	130	JB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	88	U	ug/kg	88	U	1.0	YES	S4VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Phenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Acenaphthene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Pentachlorophenol	Target	440	R	ug/kg	440	U	1.0	NO	S4VEM
Phenanthrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Anthracene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	440	R	ug/kg	440	U	1.0	NO	S4VEM
Pyrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Chrysene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	220	R	ug/kg	220	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Unknown-14	TIC	180	J	ug/kg	180	J	1.0	NO	NV
Unknown-15	TIC	89	J	ug/kg	89	J	1.0	NO	NV
Campesterol	TIC	500	NJ	ug/kg	500	NJ	1.0	NO	NV
Unknown-16	TIC	620	J	ug/kg	620	J	1.0	NO	NV
Cyclopentadecanone, 2-hydroxy-	TIC	160	NJ	ug/kg	160	NJ	1.0	NO	NV
.gamma.-Sitosterol	TIC	1300	NJ	ug/kg	1300	NJ	1.0	NO	NV
Unknown-17	TIC	98	J	ug/kg	98	J	1.0	NO	NV
Unknown-18	TIC	160	J	ug/kg	160	J	1.0	NO	NV
Unknown-19	TIC	110	J	ug/kg	110	J	1.0	NO	NV
4,22-Stigmastadiene-3-one	TIC	140	NJ	ug/kg	140	NJ	1.0	NO	NV
Stigmast-4-en-3-one	TIC	230	NJ	ug/kg	230	NJ	1.0	NO	NV
Unknown-20	TIC	94	J	ug/kg	94	J	1.0	NO	NV
Unknown Alkane-02	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Unknown-13	TIC	96	J	ug/kg	96	J	1.0	NO	NV
Unknown-12	TIC	97	J	ug/kg	97	J	1.0	NO	NV
Unknown-11	TIC	440	J	ug/kg	440	J	1.0	NO	NV
Unknown-10	TIC	120	J	ug/kg	120	J	1.0	NO	NV
Unknown-09	TIC	120	J	ug/kg	120	J	1.0	NO	NV
Unknown-08	TIC	150	J	ug/kg	150	J	1.0	NO	NV
Unknown-07	TIC	200	J	ug/kg	200	J	1.0	NO	NV
Unknown-06	TIC	430	J	ug/kg	430	J	1.0	NO	NV
Unknown-05	TIC	8700	J	ug/kg	8700	J	1.0	NO	NV
Unknown-21	TIC	210	J	ug/kg	210	J	1.0	NO	NV
Unknown-03	TIC	440	J	ug/kg	440	J	1.0	NO	NV
Unknown Alkane-01	TIC	1600	J	ug/kg	1600	J	1.0	NO	NV
Unknown-02	TIC	840	J	ug/kg	840	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	2100	NJ	ug/kg	2100	NJ	1.0	NO	NV
Acetic acid, chloro-, hexadecyl ester	TIC	240	NJ	ug/kg	240	NJ	1.0	NO	NV
Unknown-01	TIC	1100	J	ug/kg	1100	J	1.0	NO	NV
Unknown-04	TIC	2900	J	ug/kg	2900	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.1	JQ	ug/kg	2.1	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Acenaphthene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Fluorene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.8	U	ug/kg	8.8	U	1.0	YES	S4VEM
Phenanthrene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Fluoranthene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Pyrene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Chrysene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.4	UJ	ug/kg	4.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Chloromethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Vinyl chloride	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Bromomethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Chloroethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Acetone	Target	320	J	ug/kg	320		1.0	YES	S4VEM
Carbon disulfide	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Methyl acetate	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Methylene chloride	Target	20	UJ	ug/kg	16	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
2-Butanone	Target	41	UJ	ug/kg	41	U	1.0	YES	S4VEM
Bromochloromethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Chloroform	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Cyclohexane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Benzene	Target	74	J	ug/kg	74		1.0	YES	S4VEM
1,2-Dichloroethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Trichloroethene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Methylcyclohexane	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Bromodichloromethane	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	41	U	ug/kg	41	U	1.0	YES	S4VEM
Toluene	Target	5.7	JQ	ug/kg	5.7	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Tetrachloroethene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
2-Hexanone	Target	41	U	ug/kg	41	U	1.0	YES	S4VEM
Dibromochloromethane	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Chlorobenzene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Ethylbenzene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
o-Xylene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
m, p-Xylene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Styrene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Bromoform	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Isopropylbenzene	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	20	UJ	ug/kg	20	U	1.0	YES	S4VEM
Unknown-01	TIC	25	J	ug/kg	25	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotrisiloxane, hexamethyl-	TIC	35	NJB	ug/kg	35	NJB	1.0	NO	NV
Cyclotetrasiloxane, octamethyl-	TIC	94	NJB	ug/kg	94	NJB	1.0	NO	NV
Unknown-02	TIC	37	J	ug/kg	37	J	1.0	NO	NV
Unknown-03	TIC	27	J	ug/kg	27	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	84	U	ug/kg	84	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target	410	R	ug/kg	410	U	1.0	NO	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	410	R	ug/kg	410	U	1.0	NO	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-01	TIC	870	J	ug/kg	870	J	1.0	NO	NV
Unknown-02	TIC	150	J	ug/kg	150	J	1.0	NO	NV
Unknown-03	TIC	340	J	ug/kg	340	J	1.0	NO	NV
Unknown-04	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Unknown-05	TIC	1300	J	ug/kg	1300	J	1.0	NO	NV
Unknown-06	TIC	130	J	ug/kg	130	J	1.0	NO	NV
Unknown-07	TIC	370	J	ug/kg	370	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	310	NJ	ug/kg	310	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT1	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Phenanthrene	Target	0.83	JQ	ug/kg	0.83	J	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	0.53	JQ	ug/kg	0.53	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Acetone	Target	53		ug/kg	53		1.0	YES	S4VEM
Carbon disulfide	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methyl acetate	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methylene chloride	Target	11	U	ug/kg	4.8	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
2-Butanone	Target	22	U	ug/kg	22	U	1.0	YES	S4VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Cyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Benzene	Target	5.9	JQ	ug/kg	5.9	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Methylcyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	22	U	ug/kg	22	U	1.0	YES	S4VEM
Toluene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
2-Hexanone	Target	22	U	ug/kg	22	U	1.0	YES	S4VEM
Dibromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Chlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S4VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
o-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
m, p-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromoform	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	13	NJB	ug/kg	13	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 88.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	75	UJ	ug/kg	75	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target	370	R	ug/kg	370	U	1.0	NO	S4VEM
Phenanthrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	370	R	ug/kg	370	U	1.0	NO	S4VEM
Pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Chrysene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	54	JQ	ug/kg	54	J	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	190	R	ug/kg	190	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Unknown-01	TIC	650	J	ug/kg	650	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	1100	NJ	ug/kg	1100	NJ	1.0	NO	NV
Unknown-03	TIC	1900	J	ug/kg	1900	J	1.0	NO	NV
Unknown-04	TIC	350	J	ug/kg	350	J	1.0	NO	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	520	NJ	ug/kg	520	NJ	1.0	NO	NV
Unknown-05	TIC	230	J	ug/kg	230	J	1.0	NO	NV
Unknown-06	TIC	290	J	ug/kg	290	J	1.0	NO	NV
Unknown-07	TIC	220	J	ug/kg	220	J	1.0	NO	NV
Behenic alcohol	TIC	3900	NJ	ug/kg	3900	NJ	1.0	NO	NV
Butanoic acid, 2-(cyano)(2,4,6-trimethyl	TIC	1100	NJ	ug/kg	1100	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	660	NJ	ug/kg	660	NJ	1.0	NO	NV
Eicosanoic acid, ethyl ester	TIC	300	NJ	ug/kg	300	NJ	1.0	NO	NV
Unknown-08	TIC	210	J	ug/kg	210	J	1.0	NO	NV
Unknown-09	TIC	230	J	ug/kg	230	J	1.0	NO	NV
Unknown-10	TIC	930	J	ug/kg	930	J	1.0	NO	NV
n-Tetracosanol-1	TIC	7800	NJ	ug/kg	7800	NJ	1.0	NO	NV
Unknown-11	TIC	1700	J	ug/kg	1700	J	1.0	NO	NV
Unknown-12	TIC	930	J	ug/kg	930	J	1.0	NO	NV
Unknown-13	TIC	410	J	ug/kg	410	J	1.0	NO	NV
Unknown-14	TIC	630	J	ug/kg	630	J	1.0	NO	NV
Unknown-15	TIC	540	J	ug/kg	540	J	1.0	NO	NV
Unknown-16	TIC	310	J	ug/kg	310	J	1.0	NO	NV
Unknown Alkane-01	TIC	570	J	ug/kg	570	J	1.0	NO	NV
Unknown-17	TIC	320	J	ug/kg	320	J	1.0	NO	NV
Unknown-18	TIC	500	J	ug/kg	500	J	1.0	NO	NV
5-Cholestene-3-ol, 24-methyl-	TIC	570	NJ	ug/kg	570	NJ	1.0	NO	NV
.beta.-Sitosterol	TIC	2400	NJ	ug/kg	2400	NJ	1.0	NO	NV
Unknown-19	TIC	350	J	ug/kg	350	J	1.0	NO	NV
Unknown-20	TIC	1700	J	ug/kg	1700	J	1.0	NO	NV
Unknown-02	TIC	590	J	ug/kg	590	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 88.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.8		ug/kg	4.8		1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.4		ug/kg	5.4		1.0	YES	S4VEM
Acenaphthylene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	0.79	JQ	ug/kg	0.79	J	1.0	YES	S4VEM
Pentachlorophenol	Target	17		ug/kg	17		1.0	YES	S4VEM
Phenanthrene	Target	16		ug/kg	16		1.0	YES	S4VEM
Anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluoranthene	Target	12		ug/kg	12		1.0	YES	S4VEM
Pyrene	Target	4.7		ug/kg	4.7		1.0	YES	S4VEM
Benzo(a)anthracene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
Chrysene	Target	5.0		ug/kg	5.0		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	8.2		ug/kg	8.2		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.3		ug/kg	4.3		1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	7.9		ug/kg	7.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT6	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 88.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Acetone	Target	56		ug/kg	56		1.0	YES	S4VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methyl acetate	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methylene chloride	Target	13	U	ug/kg	7.0	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
2-Butanone	Target	27	U	ug/kg	27	U	1.0	YES	S4VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Benzene	Target	5.5	JQ	ug/kg	5.5	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	27	U	ug/kg	27	U	1.0	YES	S4VEM
Toluene	Target	5.0	JQ	ug/kg	5.0	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
2-Hexanone	Target	27	U	ug/kg	27	U	1.0	YES	S4VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
o-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
m, p-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	21	NJB	ug/kg	21	NJB	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	UJ	ug/kg	82	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target	400	R	ug/kg	400	U	1.0	NO	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluoranthene	Target	400	R	ug/kg	400	U	1.0	NO	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-05	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Unknown-06	TIC	250	J	ug/kg	250	J	1.0	NO	NV
Unknown-07	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-08	TIC	200	J	ug/kg	200	J	1.0	NO	NV
Unknown-09	TIC	110	J	ug/kg	110	J	1.0	NO	NV
Unknown-10	TIC	83	J	ug/kg	83	J	1.0	NO	NV
Unknown-11	TIC	85	J	ug/kg	85	J	1.0	NO	NV
Unknown-04	TIC	140	J	ug/kg	140	J	1.0	NO	NV
Unknown-03	TIC	470	J	ug/kg	470	J	1.0	NO	NV
Unknown-02	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Unknown-01	TIC	800	J	ug/kg	800	J	1.0	NO	NV
Unknown-12	TIC	170	J	ug/kg	170	J	1.0	NO	NV
Cyclopentasiloxane, decamethyl-	TIC	230	NJ	ug/kg	230	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT7	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.83	JQ	ug/kg	0.83	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Phenanthrene	Target	0.43	JQ	ug/kg	0.43	J	1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Chrysene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Chloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Vinyl chloride	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Bromomethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Chloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Acetone	Target	47		ug/kg	47		1.0	YES	S4VEM
Carbon disulfide	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Methyl acetate	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Methylene chloride	Target	8.2	U	ug/kg	5.9	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
2-Butanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Bromochloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Chloroform	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Cyclohexane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Benzene	Target	2.0	JQ	ug/kg	2.0	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Trichloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Methylcyclohexane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Bromodichloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Toluene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Tetrachloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
2-Hexanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Dibromochloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Chlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Ethylbenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
o-Xylene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
m, p-Xylene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Styrene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Bromoform	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Isopropylbenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD01SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 34.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Benzaldehyde	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Phenol	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
2-Chlorophenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2-Methylphenol	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Acetophenone	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Hexachloroethane	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Nitrobenzene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Isophorone	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2-Nitrophenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Naphthalene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
4-Chloroaniline	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Caprolactam	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2-Nitroaniline	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Dimethylphthalate	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Acenaphthylene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
3-Nitroaniline	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Acenaphthene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
4-Nitrophenol	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Dibenzofuran	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Diethylphthalate	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Fluorene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
4-Nitroaniline	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Atrazine	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Pentachlorophenol	Target	960	R	ug/kg	960	U	1.0	NO	S4VEM
Phenanthrene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Anthracene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Carbazole	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	960	R	ug/kg	960	U	1.0	NO	S4VEM
Pyrene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Chrysene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	960	U	ug/kg	960	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	490	R	ug/kg	490	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	490	U	ug/kg	490	U	1.0	YES	S4VEM
Unknown-06	TIC	7300	J	ug/kg	7300	J	1.0	NO	NV
Unknown-07	TIC	2300	J	ug/kg	2300	J	1.0	NO	NV
Unknown-08	TIC	37000	J	ug/kg	37000	J	1.0	NO	NV
Unknown-09	TIC	14000	J	ug/kg	14000	J	1.0	NO	NV
Unknown-10	TIC	4200	J	ug/kg	4200	J	1.0	NO	NV
.beta.-Amyrin	TIC	8900	NJ	ug/kg	8900	NJ	1.0	NO	NV
D:C-Friedoolean-8-en-3-one	TIC	14000	NJ	ug/kg	14000	NJ	1.0	NO	NV
1,5,9-Cyclododecatriene, 1,5,9-trimethyl	TIC	3200	NJ	ug/kg	3200	NJ	1.0	NO	NV
Unknown-11	TIC	2700	J	ug/kg	2700	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	4800	NJ	ug/kg	4800	NJ	1.0	NO	NV
Unknown-12	TIC	2300	J	ug/kg	2300	J	1.0	NO	NV
Unknown-13	TIC	2700	J	ug/kg	2700	J	1.0	NO	NV
.gamma.-Sitosterol	TIC	16000	NJ	ug/kg	16000	NJ	1.0	NO	NV
Campesterol	TIC	2600	NJ	ug/kg	2600	NJ	1.0	NO	NV
Cholesterol	TIC	2800	NJ	ug/kg	2800	NJ	1.0	NO	NV
Unknown-05	TIC	2200	J	ug/kg	2200	J	1.0	NO	NV
Unknown-04	TIC	2400	J	ug/kg	2400	J	1.0	NO	NV
Unknown-03	TIC	3900	J	ug/kg	3900	J	1.0	NO	NV
Unknown Alkane-01	TIC	3300	J	ug/kg	3300	J	1.0	NO	NV
Pentadecanal-	TIC	2400	NJ	ug/kg	2400	NJ	1.0	NO	NV
Ethyl tetracosanoate	TIC	2200	NJ	ug/kg	2200	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	3100	NJ	ug/kg	3100	NJ	1.0	NO	NV
Unknown-14	TIC	2500	J	ug/kg	2500	J	1.0	NO	NV
Unknown-02	TIC	4300	J	ug/kg	4300	J	1.0	NO	NV
Octadecanoic acid, ethyl ester	TIC	2000	NJ	ug/kg	2000	NJ	1.0	NO	NV
Unknown-01	TIC	1800	J	ug/kg	1800	J	1.0	NO	NV
Ethanol, 2-(tetradecyloxy)-	TIC	10000	NJ	ug/kg	10000	NJ	1.0	NO	NV
Retene	TIC	2900	NJ	ug/kg	2900	NJ	1.0	NO	NV
18-Norabietane	TIC	3400	NJ	ug/kg	3400	NJ	1.0	NO	NV
1-Docosene	TIC	13000	NJ	ug/kg	13000	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD01SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 34.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	8.9	JQ	ug/kg	8.9	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.6	JQ	ug/kg	5.6	J	1.0	YES	S4VEM
Acenaphthylene	Target	5.8	JQ	ug/kg	5.8	J	1.0	YES	S4VEM
Acenaphthene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Fluorene	Target	3.1	JQ	ug/kg	3.1	J	1.0	YES	S4VEM
Pentachlorophenol	Target	20		ug/kg	20		1.0	YES	S4VEM
Phenanthrene	Target	26		ug/kg	26		1.0	YES	S4VEM
Anthracene	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM
Fluoranthene	Target	18		ug/kg	18		1.0	YES	S4VEM
Pyrene	Target	14		ug/kg	14		1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.8	JQ	ug/kg	5.8	J	1.0	YES	S4VEM
Chrysene	Target	8.9	JQ	ug/kg	8.9	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	7.6	JQ	ug/kg	7.6	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD02SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:16:00
% Moisture:		% Solids: 28.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Benzaldehyde	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Phenol	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
2-Chlorophenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2-Methylphenol	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Acetophenone	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Hexachloroethane	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Nitrobenzene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Isophorone	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2-Nitrophenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Naphthalene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
4-Chloroaniline	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Caprolactam	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2-Nitroaniline	Target	590	UJ	ug/kg	590	U	1.0	YES	S4VEM
Dimethylphthalate	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Acenaphthylene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
3-Nitroaniline	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Acenaphthene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
4-Nitrophenol	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Dibenzofuran	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Diethylphthalate	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Fluorene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
4-Nitroaniline	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Atrazine	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Pentachlorophenol	Target	1100	R	ug/kg	1100	U	1.0	NO	S4VEM
Phenanthrene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Anthracene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Carbazole	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Fluoranthene	Target	1100	R	ug/kg	1100	U	1.0	NO	S4VEM
Pyrene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Chrysene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	1100	U	ug/kg	1100	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	590	R	ug/kg	590	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	590	U	ug/kg	590	U	1.0	YES	S4VEM
Unknown-10	TIC	3600	J	ug/kg	3600	J	1.0	NO	NV
Unknown-11	TIC	4900	J	ug/kg	4900	J	1.0	NO	NV
Unknown-12	TIC	6100	J	ug/kg	6100	J	1.0	NO	NV
Unknown Alkane-02	TIC	5100	J	ug/kg	5100	J	1.0	NO	NV
Unknown-13	TIC	3900	J	ug/kg	3900	J	1.0	NO	NV
Unknown-14	TIC	2800	J	ug/kg	2800	J	1.0	NO	NV
17-Pentatriacontene	TIC	4100	NJ	ug/kg	4100	NJ	1.0	NO	NV
.beta.-Sitosterol	TIC	12000	NJ	ug/kg	12000	NJ	1.0	NO	NV
Unknown-15	TIC	4500	J	ug/kg	4500	J	1.0	NO	NV
Unknown-16	TIC	12000	J	ug/kg	12000	J	1.0	NO	NV
Unknown-17	TIC	3100	J	ug/kg	3100	J	1.0	NO	NV
D:C-Friedoolean-8-en-3-one	TIC	12000	NJ	ug/kg	12000	NJ	1.0	NO	NV
Unknown-09	TIC	3900	J	ug/kg	3900	J	1.0	NO	NV
Unknown-08	TIC	3900	J	ug/kg	3900	J	1.0	NO	NV
Unknown-07	TIC	2800	J	ug/kg	2800	J	1.0	NO	NV
Ethyl tetracosanoate	TIC	3900	NJ	ug/kg	3900	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	6400	NJ	ug/kg	6400	NJ	1.0	NO	NV
Unknown-06	TIC	2900	J	ug/kg	2900	J	1.0	NO	NV
Unknown-05	TIC	3300	J	ug/kg	3300	J	1.0	NO	NV
Unknown-04	TIC	2600	J	ug/kg	2600	J	1.0	NO	NV
Unknown Alkane-01	TIC	16000	J	ug/kg	16000	J	1.0	NO	NV
Unknown-03	TIC	2700	J	ug/kg	2700	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	4400	NJ	ug/kg	4400	NJ	1.0	NO	NV
16-Heptadecenal	TIC	2100	NJ	ug/kg	2100	NJ	1.0	NO	NV
Unknown-01	TIC	5300	J	ug/kg	5300	J	1.0	NO	NV
Octadecanoic acid, ethyl ester	TIC	3600	NJ	ug/kg	3600	NJ	1.0	NO	NV
Nonadecanoic acid	TIC	5300	NJ	ug/kg	5300	NJ	1.0	NO	NV
E-15-Heptadecenal	TIC	12000	NJ	ug/kg	12000	NJ	1.0	NO	NV
Retene	TIC	3400	NJ	ug/kg	3400	NJ	1.0	YES	S4VEM
Unknown-02	TIC	3200	J	ug/kg	3200	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD02SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:16:00
% Moisture:		% Solids: 28.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	12		ug/kg	12		1.0	YES	S4VEM
2-Methylnaphthalene	Target	13		ug/kg	13		1.0	YES	S4VEM
Acenaphthylene	Target	4.3	JQ	ug/kg	4.3	J	1.0	YES	S4VEM
Acenaphthene	Target	3.9	JQ	ug/kg	3.9	J	1.0	YES	S4VEM
Fluorene	Target	4.2	JQ	ug/kg	4.2	J	1.0	YES	S4VEM
Pentachlorophenol	Target	14	JQ	ug/kg	14	J	1.0	YES	S4VEM
Phenanthrene	Target	53		ug/kg	53		1.0	YES	S4VEM
Anthracene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Fluoranthene	Target	45		ug/kg	45		1.0	YES	S4VEM
Pyrene	Target	14	J	ug/kg	14		1.0	YES	S4VEM
Benzo(a)anthracene	Target	32	J	ug/kg	32		1.0	YES	S4VEM
Chrysene	Target	13	J	ug/kg	13		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	24		ug/kg	24		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD03SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:34:00
% Moisture:		% Solids: 35.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Benzaldehyde	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Phenol	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
2-Chlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2-Methylphenol	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Acetophenone	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Hexachloroethane	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Nitrobenzene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Isophorone	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2-Nitrophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Naphthalene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
4-Chloroaniline	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Caprolactam	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2-Nitroaniline	Target	470	UJ	ug/kg	470	U	1.0	YES	S4VEM
Dimethylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Acenaphthylene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
3-Nitroaniline	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Acenaphthene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
4-Nitrophenol	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Dibenzofuran	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Diethylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Fluorene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
4-Nitroaniline	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Atrazine	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Pentachlorophenol	Target	920	R	ug/kg	920	U	1.0	NO	S4VEM
Phenanthrene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Anthracene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Carbazole	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Fluoranthene	Target	920	R	ug/kg	920	U	1.0	NO	S4VEM
Pyrene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Chrysene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	920	U	ug/kg	920	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	470	R	ug/kg	470	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Unknown-09	TIC	1300	J	ug/kg	1300	J	1.0	NO	NV
Cholesterol	TIC	1600	NJ	ug/kg	1600	NJ	1.0	NO	NV
Unknown-10	TIC	1400	J	ug/kg	1400	J	1.0	NO	NV
.beta.-Sitosterol	TIC	9100	NJ	ug/kg	9100	NJ	1.0	NO	NV
Unknown-11	TIC	28000	J	ug/kg	28000	J	1.0	NO	NV
Unknown-12	TIC	11000	J	ug/kg	11000	J	1.0	NO	NV
Unknown-13	TIC	1900	J	ug/kg	1900	J	1.0	NO	NV
Unknown-14	TIC	9300	J	ug/kg	9300	J	1.0	NO	NV
Unknown-15	TIC	4600	J	ug/kg	4600	J	1.0	NO	NV
Lup-20(29)-en-3-one	TIC	50000	NJ	ug/kg	50000	NJ	1.0	NO	NV
Unknown-16	TIC	6900	J	ug/kg	6900	J	1.0	NO	NV
Unknown-17	TIC	29000	J	ug/kg	29000	J	1.0	NO	NV
Unknown-08	TIC	1200	J	ug/kg	1200	J	1.0	NO	NV
Unknown-07	TIC	1900	J	ug/kg	1900	J	1.0	NO	NV
Tetradecanal	TIC	1900	NJ	ug/kg	1900	NJ	1.0	NO	NV
Unknown-06	TIC	3100	J	ug/kg	3100	J	1.0	NO	NV
Unknown-05	TIC	2200	J	ug/kg	2200	J	1.0	NO	NV
Oxirane, hexadecyl-	TIC	2000	NJ	ug/kg	2000	NJ	1.0	NO	NV
Unknown Alkane-02	TIC	1900	J	ug/kg	1900	J	1.0	NO	NV
Ethyl tetracosanoate	TIC	2200	NJ	ug/kg	2200	NJ	1.0	NO	NV
Tetracosanoic acid	TIC	3300	NJ	ug/kg	3300	NJ	1.0	NO	NV
Unknown Alkane-01	TIC	23000	J	ug/kg	23000	J	1.0	NO	NV
Stigmast-4-en-3-one	TIC	9500	NJ	ug/kg	9500	NJ	1.0	NO	NV
Unknown-04	TIC	3800	J	ug/kg	3800	J	1.0	NO	NV
5-Eicosene, (E)-	TIC	26000	NJ	ug/kg	26000	NJ	1.0	NO	NV
Retene	TIC	4800	NJ	ug/kg	4800	NJ	1.0	NO	NV
Unknown-03	TIC	4400	J	ug/kg	4400	J	1.0	NO	NV
Unknown-02	TIC	6800	J	ug/kg	6800	J	1.0	NO	NV
Unknown-01	TIC	7800	J	ug/kg	7800	J	1.0	NO	NV
Eicosanoic acid, ethyl ester	TIC	2400	NJ	ug/kg	2400	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD03SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:34:00
% Moisture:		% Solids: 35.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	13		ug/kg	13		1.0	YES	S4VEM
2-Methylnaphthalene	Target	13		ug/kg	13		1.0	YES	S4VEM
Acenaphthylene	Target	3.4	JQ	ug/kg	3.4	J	1.0	YES	S4VEM
Acenaphthene	Target	3.9	JQ	ug/kg	3.9	J	1.0	YES	S4VEM
Fluorene	Target	4.1	JQ	ug/kg	4.1	J	1.0	YES	S4VEM
Pentachlorophenol	Target	8.9	JQ	ug/kg	8.9	J	1.0	YES	S4VEM
Phenanthrene	Target	36		ug/kg	36		1.0	YES	S4VEM
Anthracene	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM
Fluoranthene	Target	18		ug/kg	18		1.0	YES	S4VEM
Pyrene	Target	7.7	JQ	ug/kg	7.7	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	12	J	ug/kg	12		1.0	YES	S4VEM
Chrysene	Target	7.9	JQ	ug/kg	7.9	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	6.3	JQ	ug/kg	6.3	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 72.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	92	UJ	ug/kg	92	U	1.0	YES	S4VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Phenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Naphthalene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitroaniline	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Dimethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Acenaphthylene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Acenaphthene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Fluorene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Pentachlorophenol	Target	460	R	ug/kg	460	U	1.0	NO	S4VEM
Phenanthrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Anthracene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Carbazole	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Fluoranthene	Target	460	R	ug/kg	460	U	1.0	NO	S4VEM
Pyrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Chrysene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	230	R	ug/kg	230	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Unknown-02	TIC	550	J	ug/kg	550	J	1.0	NO	NV
Unknown-01	TIC	730	J	ug/kg	730	J	1.0	NO	NV
3-Hexene-2,5-dione	TIC	130	NJ	ug/kg	130	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY3	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 72.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Acenaphthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Fluorene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Pentachlorophenol	Target	9.2	U	ug/kg	9.2	U	1.0	YES	S4VEM
Phenanthrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Anthracene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Fluoranthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Pyrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Chrysene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 72.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Bromomethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Acetone	Target	41		ug/kg	41		1.0	YES	S4VEM
Carbon disulfide	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methyl acetate	Target	4.2	JQ	ug/kg	4.2	J	1.0	YES	S4VEM
Methylene chloride	Target	7.3	U	ug/kg	3.2	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Bromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chloroform	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Cyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Benzene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Trichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Toluene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
o-Xylene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
m, p-Xylene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Styrene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Bromoform	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Unknown-01	TIC	33	J	ug/kg	33	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK58	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	R	ug/kg	330	U	1.0	NO	S4VEM
Phenanthrene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Anthracene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	R	ug/kg	330	U	1.0	NO	S4VEM
Pyrene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Chrysene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	170	R	ug/kg	170	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-03	TIC	73	J	ug/kg	73	J	1.0	NO	NV
Unknown-01	TIC	2700	J	ug/kg	2700	J	1.0	NO	NV
Unknown-02	TIC	150	J	ug/kg	150	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK74	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK92	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKAO	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	2.3	J	ug/kg	2.3	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	10	NJ	ug/kg	10	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	6.2	J	ug/kg	6.2	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKDM	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	2.0	J	ug/kg	2.0	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKFS	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	7.3	J	ug/kg	7.3	J	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTQ0** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project	GroupID: 49090/EPW14035/JLTQ0	Lab Name: Pace Analytical Services, LLC

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:52

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTQ0

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007591

Organization: EPA Region 10

SOW: SOM02.4

Method - Volatile Organics

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTQ0	FS	Soil	Low	09/09/2020 09:58:00	09/11/2020 11:15:00			Purge_and_Trap	09/16/2020 18:25:00	Initial	09/16/2020 18:25:00	DB-624	Agilent__MSD5
JLTQ2	FS	Soil	Low	09/09/2020 11:17:00	09/11/2020 11:15:00			Purge_and_Trap	09/16/2020 18:49:00	Initial	09/16/2020 18:49:00	DB-624	Agilent__MSD5
JLTR4	FS	Soil	Low	09/09/2020 13:45:00	09/11/2020 11:15:00			Purge_and_Trap	09/16/2020 19:13:00	Initial	09/16/2020 19:13:00	DB-624	Agilent__MSD5
JLTR5	FS	Soil	Low	09/09/2020 14:11:00	09/11/2020 11:15:00			Purge_and_Trap	09/16/2020 19:37:00	Initial	09/16/2020 19:37:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 13:04:00	Reinjection-01	09/21/2020 13:04:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTT6	FS	Soil	Low	09/09/2020 15:14:00	09/11/2020 11:15:00			Purge_and_Trap	09/16/2020 20:02:00	Initial	09/16/2020 20:02:00	DB-624	Agilent__MSD5
JLTT7	FS	Soil	Low	09/09/2020 15:45:00	09/11/2020 11:15:00			Purge_and_Trap	09/16/2020 20:25:00	Initial	09/16/2020 20:25:00	DB-624	Agilent__MSD5
JLTQ8	FS	Soil	Low	09/09/2020 15:51:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 20:49:00	Initial	09/16/2020 20:49:00	DB-624	Agilent__MSD5
JLTQ9	FS	Soil	Low	09/09/2020 16:07:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 21:12:00	Initial	09/16/2020 21:12:00	DB-624	Agilent__MSD5
JLTR0	FS	Soil	Low	09/09/2020 17:04:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 21:36:00	Initial	09/16/2020 21:36:00	DB-624	Agilent__MSD5
JLTR1	FS	Soil	Low	09/09/2020 17:24:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 22:00:00	Initial	09/16/2020 22:00:00	DB-624	Agilent__MSD5
JLTR2	FS	Soil	Low	09/10/2020 08:42:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 22:24:00	Initial	09/16/2020 22:24:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 13:26:00	Reinjection-01	09/21/2020 13:26:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTT0	FS	Soil	Low	09/10/2020 09:25:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 23:12:00	Initial	09/16/2020 23:12:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 13:48:00	Reinjection-01	09/21/2020 13:48:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTY3	FS	Soil	Low	09/10/2020 09:47:00	09/12/2020 09:50:00			Purge_and_Trap	09/17/2020 00:00:00	Initial	09/17/2020 00:00:00	DB-624	Agilent__MSD5
JLTT1	FS	Soil	Low	09/10/2020 10:12:00	09/12/2020 09:50:00			Purge_and_Trap	09/16/2020 23:36:00	Initial	09/16/2020 23:36:00	DB-624	Agilent__MSD5
JLTR3	FS	Soil	Low	09/10/2020	09/12/2020			Purge_and_Trap	09/16/2020	Initial	09/16/2020	DB-624	Agilent__MSD5

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:52

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTQ0

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007591

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
				10:24:00	09:50:00				22:48:00		22:48:00		

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:52

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTQ0

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007591

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTQ0	FS	Soil	Low	09/09/2020 09:58:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 20:51:00	Zebron ZB-SV	Agilent__MSD12
JLTQ2	FS	Soil	Low	09/09/2020 11:17:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 21:20:00	Zebron ZB-SV	Agilent__MSD12
JLTQ5	FS	Soil	Low	09/09/2020 13:00:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 22:18:00	Zebron ZB-SV	Agilent__MSD12
JLTQ4	FS	Soil	Low	09/09/2020 13:09:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 21:49:00	Zebron ZB-SV	Agilent__MSD12
JLTR4	FS	Soil	Low	09/09/2020 13:45:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 22:47:00	Zebron ZB-SV	Agilent__MSD12
JLTX4	FS	Soil	Low	09/09/2020 14:00:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 00:42:00	Zebron ZB-SV	Agilent__MSD12
JLTR5	FS	Soil	Low	09/09/2020 14:11:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 23:16:00	Zebron ZB-SV	Agilent__MSD12
JLTX5	FS	Soil	Low	09/09/2020 14:16:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 01:11:00	Zebron ZB-SV	Agilent__MSD12
JLTX6	FS	Soil	Low	09/09/2020 14:34:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 01:40:00	Zebron ZB-SV	Agilent__MSD12
JLTT6	FS	Soil	Low	09/09/2020 15:14:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/28/2020 23:45:00	Zebron ZB-SV	Agilent__MSD12
JLTT7	FS	Soil	Low	09/09/2020 15:45:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 00:13:00	Zebron ZB-SV	Agilent__MSD12
JLTQ8	FS	Soil	Low	09/09/2020 15:51:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 02:09:00	Zebron ZB-SV	Agilent__MSD12
JLTQ9	FS	Soil	Low	09/09/2020 16:07:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 02:37:00	Zebron ZB-SV	Agilent__MSD12
JLTR0	FS	Soil	Low	09/09/2020 17:04:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 03:06:00	Zebron ZB-SV	Agilent__MSD12
JLTR1	FS	Soil	Low	09/09/2020 17:24:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 03:35:00	Zebron ZB-SV	Agilent__MSD12
JLTR2	FS	Soil	Low	09/10/2020 08:42:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 04:04:00	Zebron ZB-SV	Agilent__MSD12
JLTT0	FS	Soil	Low	09/10/2020 09:25:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 05:01:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:52

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTQ0

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007591

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTY3	FS	Soil	Low	09/10/2020 09:47:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 05:59:00	Zebron ZB-SV	Agilent__MSD12
JLTT1	FS	Soil	Low	09/10/2020 10:12:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 05:30:00	Zebron ZB-SV	Agilent__MSD12
JLTR3	FS	Soil	Low	09/10/2020 10:24:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/29/2020 04:32:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:52

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTQ0

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007591

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTQ0	FS	Soil	Low	09/09/2020 09:58:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 13:15:00	Zebron ZB-SV	Agilent__MSD4
JLTQ2	FS	Soil	Low	09/09/2020 11:17:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 13:42:00	Zebron ZB-SV	Agilent__MSD4
JLTQ5	FS	Soil	Low	09/09/2020 13:00:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Dilution-01	09/25/2020 14:39:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/15/2020 16:23:00	Initial	09/29/2020 10:14:00	Zebron ZB-SV	Agilent__MSD4
JLTQ4	FS	Soil	Low	09/09/2020 13:09:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 14:12:00	Zebron ZB-SV	Agilent__MSD4
JLTR4	FS	Soil	Low	09/09/2020 13:45:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 15:06:00	Zebron ZB-SV	Agilent__MSD4
JLTX4	FS	Soil	Low	09/09/2020 14:00:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 16:53:00	Zebron ZB-SV	Agilent__MSD4
JLTR5	FS	Soil	Low	09/09/2020 14:11:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 15:33:00	Zebron ZB-SV	Agilent__MSD4
JLTX5	FS	Soil	Low	09/09/2020 14:16:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 17:20:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/15/2020 16:23:00	Reinjection-01	09/29/2020 10:40:00	Zebron ZB-SV	Agilent__MSD4
JLTX6	FS	Soil	Low	09/09/2020 14:34:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 17:47:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/15/2020 16:23:00	Reinjection-01	09/29/2020 11:07:00	Zebron ZB-SV	Agilent__MSD4
JLTT6	FS	Soil	Low	09/09/2020 15:14:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 15:59:00	Zebron ZB-SV	Agilent__MSD4
JLTT7	FS	Soil	Low	09/09/2020 15:45:00	09/11/2020 11:15:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 16:26:00	Zebron ZB-SV	Agilent__MSD4
JLTQ8	FS	Soil	Low	09/09/2020 15:51:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 18:14:00	Zebron ZB-SV	Agilent__MSD4
JLTQ9	FS	Soil	Low	09/09/2020 16:07:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 18:41:00	Zebron ZB-SV	Agilent__MSD4
JLTR0	FS	Soil	Low	09/09/2020 17:04:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 19:08:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:52

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTQ0

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007591

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTR1	FS	Soil	Low	09/09/2020 17:24:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 19:34:00	Zebron ZB-SV	Agilent__MSD4
JLTR2	FS	Soil	Low	09/10/2020 08:42:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Dilution-01	09/25/2020 20:01:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/15/2020 16:23:00	Initial	09/29/2020 11:34:00	Zebron ZB-SV	Agilent__MSD4
JLTT0	FS	Soil	Low	09/10/2020 09:25:00	09/12/2020 09:50:00			Sonication	09/29/2020 18:25:00	Reanalysis-01	09/30/2020 12:32:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/15/2020 16:23:00	Initial	09/25/2020 20:55:00	Zebron ZB-SV	Agilent__MSD4
JLTY3	FS	Soil	Low	09/10/2020 09:47:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 21:48:00	Zebron ZB-SV	Agilent__MSD4
JLTT1	FS	Soil	Low	09/10/2020 10:12:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 21:21:00	Zebron ZB-SV	Agilent__MSD4
JLTR3	FS	Soil	Low	09/10/2020 10:24:00	09/12/2020 09:50:00			Sonication	09/15/2020 16:23:00	Initial	09/25/2020 20:28:00	Zebron ZB-SV	Agilent__MSD4

MEMORANDUM

DATE: October 20, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 2 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for semivolatile organic compounds (SVOCs), SVOC-Selected Ion Monitoring (SVOC-SIM), and polychlorinated biphenyls (PCBs) at Pace Analytical Services, West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered: JLTR6 JLTR8

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services and
Applied Science Division
(LSASD)

October 19, 2020

MEMORANDUM

Subject: Data Validation Report for the Former Western States Plywood Coop Mill, Case #49090, SDG: JLTR6 – Organic Analyses

KARIN FEDDERSEN-LETHE Digitally signed by KARIN FEDDERSEN-LETHE Date: 2020.10.19 13:33:42 -07'00'

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Derek Pulvino and Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of two soil samples collected from the above-referenced site, has been completed. These samples were analyzed for semivolatile organic compound (SVOC), SVOC SIM, and aroclor analyses by Pace Analytical Services, LLC, located in West Columbia, SC. When multiple analyses were conducted for the same sample (i.e., dilution, reanalysis, SIM), the analysis with reportable results has been indicated by the reviewer. Soil sample results are reported on a dry weight basis. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- Modified Analysis Request Reference Number 2901.2;
- USEPA Contract Laboratory Program (CLP) Statement of Work for (SOW) Organic Superfund Methods Multi-Media, Multi-Concentration (SOM02.4);
- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (EPA-540-R-2017-002); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment and Region 10 guidance. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Semivolatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 14 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 5X Blank†
Initial Calibration	Y	N	Min. RRF: 0.010 to 0.500‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.500‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	N	Varies by Compound Revised advisory limits for 1,4-Dioxane-d8: 15% to 120%
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.

†10X Blank for ketones, solvents, or common laboratory contaminants.

‡Varies by compound. See Organic CLP NFG Table 30 for individual compound acceptance criteria.

(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic SIM Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 14 days and analyzed within 40 days
Blanks	Y	N	Non-detect or sample > 5X Blank
Initial Calibration	N	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	Y	Y*	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Y*	Varies by Compound
Internal Standards	Y	Y*	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
‡Varies by compound. See Organic NFG Table 30 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Aroclor Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	N	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 14 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 10X Blank
Initial Calibration	N	N	≤ 20% RSD
Continuing Calibration Verification	N	N	Open: ≤ 25% D, Close: ≤ 50% D
Surrogate Spikes	N	N	30 – 150%
Laboratory Control Samples	N	N	50 – 150%
Matrix Spikes	N	N	Varies by Compound
Target Compound Identification	N	N	≤ 25% D (J); >60% D (U)

*See the Data Qualifications section below for outliers and qualification of affected data. (Note:
RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
JN or NJ	There is evidence that the analyte is present. The associated numerical result is an estimate.
Q	Detected concentration is below the MRL / CRQL but is above the MDL.

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

SEMIVOLATILE ORGANICS ANALYSIS

All PAH and Pentachlorophenol results have been rejected in favor of SIM analysis results.

SEMIVOLATILE SIM ORGANICS ANALYSIS

Deuterated Monitoring Compound Qualification Summary

The following samples have DMC recoveries above the upper limit of the criteria window. Detected compounds associated with the DMC are qualified J. Non-detected compounds associated with the DMC are not qualified.

2-Methylnaphthalene-d10	JLTR6, JLTR8

Internal Standard Qualification Summary

The following samples have area counts greater than two hundred percent (>200%) of the 12-hour standard. Detected compounds associated with the internal standard are qualified J. Non-detected compounds are not qualified.

Chrysene-d12	JLTR6

Detection Limit Qualification Summary

The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.

Naphthalene	JLTR8
2-Methylnaphthalene	JLTR8
Acenaphthylene	JLTR6, JLTR8
Acenaphthene	JLTR6
Pentachlorophenol	JLTR6
Fluoranthene	JLTR8
Benzo(a)anthracene	JLTR8
Benzo(k)fluoranthene	JLTR8

AROCLOR ANALYSIS

Detection Limit Qualification Summary

The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.

Aroclor-1260	JLTR8

Data Validation Report
Analytical Sample Listing

Wed, 7 Oct 2020 17:02:50

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTR6

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31992495

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTR6	FS	Soil	Low	09/10/2020 11:32:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/29/2020 18:20:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 12:25:00	Zebron ZB-SV	Agilent__MSD12
JLTR8	FS	Soil	Low	09/10/2020 12:39:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 12:54:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/29/2020 18:49:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTR6

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31992495

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTR6	FS	Soil	Low	09/10/2020 11:32:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 20:23:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	09/29/2020 17:49:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Reinjection-01	09/30/2020 13:25:00	Zebron ZB-SV	Agilent__MSD4
JLTR8	FS	Soil	Low	09/10/2020 12:39:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 20:50:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	09/29/2020 18:16:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Wed, 7 Oct 2020 17:02:50

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTR6

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31992495

Organization: EPA Region 10

SOW: SOM02.4

Method - Aroclors

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTR6MS	MS	Soil	Low	09/10/2020 11:32:00	09/16/2020 11:34:00			Sonication	09/23/2020 10:47:00	Initial	09/30/2020 18:32:00	DB-35MS	Agilent_7890B_GC14
								Sonication	09/23/2020 10:47:00	Initial	09/30/2020 18:32:00	DB-XLB	Agilent_7890B_GC14
JLTR6	FS	Soil	Low	09/10/2020 11:32:00	09/16/2020 11:34:00			Sonication	09/23/2020 10:47:00	Initial	09/30/2020 18:18:00	DB-35MS	Agilent_7890B_GC14
								Sonication	09/23/2020 10:47:00	Initial	09/30/2020 18:18:00	DB-XLB	Agilent_7890B_GC14
JLTR6MSD	MSD	Soil	Low	09/10/2020 11:32:00	09/16/2020 11:34:00			Sonication	09/23/2020 10:47:00	Initial	09/30/2020 18:46:00	DB-XLB	Agilent_7890B_GC14
								Sonication	09/23/2020 10:47:00	Initial	09/30/2020 18:46:00	DB-35MS	Agilent_7890B_GC14
JLTR8	FS	Soil	Low	09/10/2020 12:39:00	09/16/2020 11:34:00			Sonication	09/23/2020 10:47:00	Initial	09/30/2020 19:00:00	DB-XLB	Agilent_7890B_GC14
								Sonication	09/23/2020 10:47:00	Initial	09/30/2020 19:00:00	DB-35MS	Agilent_7890B_GC14

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: ABLK84	Method: Aroclors	Matrix: Soil	MA Number: 2901.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1221	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1232	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1242	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1248	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1254	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1260	Spike	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1262	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1268	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: ALCS84	Method: Aroclors	Matrix: Soil	MA Number: 2901.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	14		ug/kg	14		1.0	YES	S4VEM
Aroclor-1221	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1232	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1242	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1248	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1254	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1260	Spike	14		ug/kg	14		1.0	YES	S4VEM
Aroclor-1262	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Aroclor-1268	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR6	Method: Aroclors	Matrix: Soil	MA Number: 2901.2
Sample Location: SL09GP01	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1221	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1232	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1242	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1248	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1254	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1260	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1262	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1268	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL09GP01	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	28	J	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Behenic alcohol	TIC	11000	NJ	ug/kg	11000	NJ	1.0	YES	NV
3-Octadecene, (E)-	TIC	300	NJ	ug/kg	300	NJ	1.0	YES	NV
1-Docosene	TIC	10000	NJ	ug/kg	10000	NJ	1.0	YES	NV
5-Cholestene-3-ol, 24-methyl-	TIC	290	NJ	ug/kg	290	NJ	1.0	YES	NV
Unknown-02	TIC	1400	J	ug/kg	1400	J	1.0	YES	NV
Unknown-03	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-14	TIC	360	J	ug/kg	360	J	1.0	YES	NV
17-Octadecenal	TIC	270	NJ	ug/kg	270	NJ	1.0	YES	NV
Unknown-10	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	1400	NJ	ug/kg	1400	NJ	1.0	YES	NV
1-Heneicosanol	TIC	300	NJ	ug/kg	300	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	11000	J	ug/kg	11000	J	1.0	YES	NV
Unknown-11	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	3700	NJ	ug/kg	3700	NJ	1.0	YES	NV
Unknown-01	TIC	910	J	ug/kg	910	J	1.0	YES	NV
Unknown-05	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-08	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Unknown-15	TIC	470	J	ug/kg	470	J	1.0	YES	NV
Tetracosanoic acid	TIC	4300	NJ	ug/kg	4300	NJ	1.0	YES	NV
Unknown-04	TIC	1400	J	ug/kg	1400	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	2000	NJ	ug/kg	2000	NJ	1.0	YES	NV
Unknown-09	TIC	400	J	ug/kg	400	J	1.0	YES	NV
17-Pentatriacontene	TIC	640	NJ	ug/kg	640	NJ	1.0	YES	NV
Hentriacontane	TIC	310	NJ	ug/kg	310	NJ	1.0	YES	NV
Unknown-12	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-13	TIC	610	J	ug/kg	610	J	1.0	YES	NV
Docosanoic acid	TIC	4800	NJ	ug/kg	4800	NJ	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	1600	NJ	ug/kg	1600	NJ	1.0	YES	NV
Hexadecanal	TIC	300	NJ	ug/kg	300	NJ	1.0	YES	NV
Campesterol	TIC	700	NJ	ug/kg	700	NJ	1.0	YES	NV
.beta.-Sitosterol	TIC	4300	NJ	ug/kg	4300	NJ	1.0	YES	NV
1-Hexadecanol	TIC	8800	NJ	ug/kg	8800	NJ	1.0	YES	NV
Oxalic acid, isobutyl tetradecyl ester	TIC	840	NJ	ug/kg	840	NJ	1.0	YES	NV
Methyl 14-methyl-eicosanoate	TIC	310	NJ	ug/kg	310	NJ	1.0	YES	NV
Unknown-07	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-06	TIC	5700	J	ug/kg	5700	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL09GP01	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	7.1	J	ug/kg	7.1		1.0	YES	S4VEM
2-Methylnaphthalene	Target	11	J	ug/kg	11		1.0	YES	S4VEM
Acenaphthylene	Target	0.80	JQ	ug/kg	0.80	J	1.0	YES	S4VEM
Acenaphthene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
Fluorene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Pentachlorophenol	Target	3.3	JQ	ug/kg	3.3	J	1.0	YES	S4VEM
Phenanthrene	Target	23	J	ug/kg	23		1.0	YES	S4VEM
Anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluoranthene	Target	4.4		ug/kg	4.4		1.0	YES	S4VEM
Pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	29	J	ug/kg	29		1.0	YES	S4VEM
Chrysene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	12		ug/kg	12		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR6MS	Method: Aroclors	Matrix: Soil	MA Number: 2901.2
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	63		ug/kg	63		1.0	YES	S4VEM
Aroclor-1221	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1232	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1242	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1248	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1254	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1260	Spike	63		ug/kg	63		1.0	YES	S4VEM
Aroclor-1262	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1268	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR6MSD	Method: Aroclors	Matrix: Soil	MA Number: 2901.2
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	64		ug/kg	64		1.0	YES	S4VEM
Aroclor-1221	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1232	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1242	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1248	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1254	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1260	Spike	65		ug/kg	65		1.0	YES	S4VEM
Aroclor-1262	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1268	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR8	Method: Aroclors	Matrix: Soil	MA Number: 2901.2
Sample Location: SL10GP01	pH:	Sample Date: 09/10/2020	Sample Time: 12:39:00
% Moisture:		% Solids: 88.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1221	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1232	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1242	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1248	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1254	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1260	Target	3.0	JQ	ug/kg	3.0	J	1.0	YES	S4VEM
Aroclor-1262	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Aroclor-1268	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL10GP01	pH:	Sample Date: 09/10/2020	Sample Time: 12:39:00
% Moisture:		% Solids: 88.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Unknown-16	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-22	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Oxirane, hexadecyl-	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV
Unknown-03	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-08	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-10	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-14	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-15	TIC	510	J	ug/kg	510	J	1.0	YES	NV
1,2-Benzisothiazole, 3-(hexahydro-1H-aze	TIC	220	NJ	ug/kg	220	NJ	1.0	YES	NV
Unknown-01	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
Unknown-07	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-09	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-19	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Testosterone	TIC	240	NJ	ug/kg	240	NJ	1.0	YES	NV
17-(1,5-Dimethylhexyl)-10,13-dimethyl-4-	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
1-Octadecene	TIC	210	NJ	ug/kg	210	NJ	1.0	YES	NV
Unknown-12	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-23	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	360	NJ	ug/kg	360	NJ	1.0	YES	NV
Stigmast-4-en-3-one	TIC	690	NJ	ug/kg	690	NJ	1.0	YES	NV
Unknown-13	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-21	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-04	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Unknown-05	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-06	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-17	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-18	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-20	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-02	TIC	740	J	ug/kg	740	J	1.0	YES	NV
Unknown-11	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Tetradecanal	TIC	270	NJ	ug/kg	270	NJ	1.0	YES	NV
.beta.-Sitosterol	TIC	340	NJ	ug/kg	340	NJ	1.0	YES	NV
1-Hexadecanol	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	230	NJ	ug/kg	230	NJ	1.0	YES	NV
1-Docosene	TIC	2000	NJ	ug/kg	2000	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR8	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL10GP01	pH:	Sample Date: 09/10/2020	Sample Time: 12:39:00
% Moisture:		% Solids: 88.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.9	JQ	ug/kg	2.9	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Acenaphthylene	Target	0.60	JQ	ug/kg	0.60	J	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Phenanthrene	Target	3.9	J	ug/kg	3.9		1.0	YES	S4VEM
Anthracene	Target	4.2	J	ug/kg	4.2	B	1.0	YES	S4VEM
Fluoranthene	Target	3.3	JQ	ug/kg	3.3	J	1.0	YES	S4VEM
Pyrene	Target	8.3		ug/kg	8.3		1.0	YES	S4VEM
Benzo(a)anthracene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
Chrysene	Target	5.2		ug/kg	5.2		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.1		ug/kg	4.1		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK11	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-01	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV
Unknown-03	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-04	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-02	TIC	72	J	ug/kg	72	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK14	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	UJ	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK23	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-05	TIC	94	J	ug/kg	94	J	1.0	YES	NV
Unknown-04	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Cyclopentasiloxane, decamethyl-	TIC	140	NJ	ug/kg	140	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	79	J	ug/kg	79	J	1.0	YES	NV
Unknown-01	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-03	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-02	TIC	79	J	ug/kg	79	J	1.0	YES	NV
Unknown-06	TIC	72	J	ug/kg	72	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTR6** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK25	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	0.48	JQ	ug/kg	0.48	J	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

MEMORANDUM

DATE: October 21, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 20 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for low/medium volatile organic compound (VOC), semivolatile organic compound (SVOC), and SVOC SIM and SVOC-Selected Ion Monitoring (SVOC-SIM) analyses at Pace Analytical Services, West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

JLTY4	JLTS6	JLTS7	JLTS8	JLTS9
JLTS2	JLTS3	JLTT2	JLTS0	JLTS1
JLTT3	JLTS5	JLTS4	JLTT8	JLTR7
JLTT4	JLTT5	JLTW0	JLTW2	JLTQ1

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services and
Applied Science Division
(LSASD)

REVISED October 21, 2020

MEMORANDUM

Subject: Data Validation Report for the Former Western States Plywood Coop Mill, Case #49090, SDG: JLTY4 – Organic Analyses

KARIN FEDDERSEN-LETHE Digitally signed by KARIN FEDDERSEN-LETHE Date: 2020.10.21 16:38:13 -07'00'

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Derek Pulvino, Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of 20 soil samples collected from the above-referenced site, has been completed. These samples were analyzed for low/medium volatile organic compound (VOC), semivolatile organic compound (SVOC), and SVOC SIM analyses by Pace Analytical Services, LLC, located in West Columbia, SC When multiple analyses were conducted for the same sample (i.e., dilution, reanalysis, SIM), the analysis with reportable results has been indicated by the reviewer. Soil sample results are reported on a dry weight basis. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- USEPA Contract Laboratory Program (CLP) Statement of Work for (SOW) Organic Superfund Methods Multi-Media, Multi-Concentration (SOM02.4);
- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (EPA-540-R-2017-002); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment and Region 10 guidance. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Low/Medium Volatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	N	N	Sample cooler temperature ≤10 °C upon receipt. Frozen or methanol preserved within 48 hours. Soils extracted within 14 days and analyzed within 40 days.
Blanks	Y	Y*	Non-detect or sample > 5X Blank†
Initial Calibration	N	N	Min. RRF: 0.010 to 0.600‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.600‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Y*	Varies by Compound
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic NFG Table 16 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	N	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 14 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 5X Blank†
Initial Calibration	Y	N	Min. RRF: 0.010 to 0.500‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	Y	Y*	Min. RRF: 0.010 to 0.500‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	N	Varies by Compound Revised advisory limits for 1,4-Dioxane-d8: 15% to 120%
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Table 30 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic SIM Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	N	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within14 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 5X Blank
Initial Calibration	N	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	N	N	Varies by Compound
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
‡Varies by compound. See Organic NFG Table 30 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
JN or NJ	There is evidence that the analyte is present. The associated numerical result is an estimate.
Q	Detected concentration is below the MRL / CRQL but is above the MDL.

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

LOW/MEDIUM VOLATILE ORGANICS ANALYSIS

Blank Qualification Summary

The following samples have analyte results reported less than the CRQL and the associated analytes in the Method Blank or Storage Blank results were less than the CRQL. Detects are qualified U. Sample results have been reported at the CRQL.

Methylene chloride	JLTR7, JLTS6, JLTS7, JLTS8, JLTS9, JLTT2, JLTT8, JLTW2, JLTY4

Deuterated Monitoring Compound Qualification Summary

The following samples have DMC recoveries below the lower limit of the criteria window. Detected compounds associated with the DMC are qualified J. Non-detected compounds associated with the DMC are qualified UJ.

Vinyl Chloride-d3	JLTT8, JLTW0, JLTW2
1,1-Dichloroethene-d2	JLTT8, JLTW0, JLTW2
1,2-Dichlorobenzene-d4	JLTR7, JLTS0, JLTT2, JLTT4, JLTT8, JLTW0, JLTW2

Detection Limit Qualification Summary

The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.

2-Butanone	JLTS6, JLTT2
Acetone	JLTQ1, JLTR7, JLTS4, JLTS8, JLTS9, JLTT3, JLTW0, JLTW2, JLTY4
Benzene	JLTS0, JLTS1, JLTS2, JLTS7, JLTS8, JLTT2, JLTT4, JLTW0, JLTW2
Chloroform	JLTR7
Ethylbenzene	JLTR7
m, p-Xylene	JLTR7, JLTS8, JLTT2
Methyl acetate	JLTS1, JLTS6
o-Xylene	JLTR7, JLTS6
Toluene	JLTS8, JLTT2

SEMIVOLATILE ORGANICS ANALYSIS

Continuing Calibration Qualification Summary

The following samples are associated with a CCV percent difference outside criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

2-Nitroaniline	JLTQ1, JLTS0, JLTS1, JLTS2, JLTS3, JLTS4, JLTS6, JLTS7, JLTS8, JLTS9, JLTT4, JLTT5, JLTT8, JLTW0, JLTW2

Detection Limit Qualification Summary

The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.

bis(2-Ethylhexyl)phthalate	JLTS0

Manual/Electronic Data Review Results

SEMIVOLATILE SIM ORGANICS ANALYSIS	
Detection Limit Qualification Summary	
The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.	
Naphthalene	JLTQ1, JLTS1, JLTS2, JLTS3, JLTT2, JLTT3, JLTT8, JLTW0
2-Methylnaphthalene	JLTQ1, JLTS1, JLTS2, JLTS3, JLTS7, JLTT2, JLTT3, JLTT8, JLTW0, JLTW2
Acenaphthylene	JLTS0, JLTT2, JLTT3, JLTT4, JLTT8
Acenaphthene	JLTR7, JLTS0, JLTT3, JLTT4
Fluorene	JLTQ1, JLTR7, JLTS0, JLTS3, JLTT2, JLTT3, JLTT4
Pentachlorophenol	JLTR7, JLTS0, JLTT2, JLTT8
Phenanthrene	JLTS1, JLTS2, JLTS6, JLTS7, JLTS8, JLTW0, JLTW2, JLTY4
Anthracene	JLTQ1, JLTR7, JLTS0, JLTS6, JLTT4, JLTY4
Fluoranthene	JLTR7, JLTS2, JLTS3, JLTT3, JLTW0, JLTW2, JLTY4
Pyrene	JLTR7, JLTS1, JLTT2, JLTT4, JLTT8
Benzo(a)anthracene	JLTR7, JLTS0, JLTT2, JLTT8
Chrysene	JLTR7, JLTS1, JLTS2, JLTS3, JLTT2, JLTT3, JLTT4, JLTT8, JLTW0, JLTW2
Benzo(b)fluoranthene	JLTR7, JLTS1, JLTS2, JLTS7, JLTT2, JLTT3, JLTT4, JLTT8
Benzo(k)fluoranthene	JLTQ1, JLTR7, JLTT2, JLTW0, JLTW2
Benzo(a)pyrene	JLTR7
Indeno(1,2,3-cd)pyrene	JLTQ1
Benzo(g,h,i)perylene	JLTQ1, JLTS0

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:55

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY4

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007586

Organization: EPA Region 10

SOW: SOM02.4

Method - Volatile Organics

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTY4	FS	Soil	Low	09/10/2020 10:25:00	09/12/2020 09:50:00			Purge_and_Trap	09/17/2020 00:24:00	Initial	09/17/2020 00:24:00	DB-624	Agilent__MSD5
JLTS6	FS	Soil	Low	09/10/2020 13:54:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 16:50:00	Reinjection-01	09/22/2020 16:50:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 13:37:00	Initial	09/21/2020 13:37:00	DB-624	Agilent__MSD5
JLTS7	FS	Soil	Low	09/10/2020 16:25:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 17:14:00	Reinjection-01	09/22/2020 17:14:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 14:00:00	Initial	09/21/2020 14:00:00	DB-624	Agilent__MSD5
JLTS8	FS	Soil	Low	09/11/2020 09:16:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 17:37:00	Reinjection-01	09/22/2020 17:37:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 14:24:00	Initial	09/21/2020 14:24:00	DB-624	Agilent__MSD5
JLTS9	FS	Soil	Low	09/11/2020 09:53:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 18:01:00	Reinjection-01	09/22/2020 18:01:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 14:48:00	Initial	09/21/2020 14:48:00	DB-624	Agilent__MSD5
JLTS2	FS	Soil	Low	09/11/2020 10:03:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 15:20:00	Initial	09/21/2020 15:20:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTS3	FS	Soil	Low	09/11/2020 10:14:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 15:42:00	Initial	09/21/2020 15:42:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTT2	FS	Soil	Low	09/11/2020 10:30:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 18:26:00	Reinjection-01	09/22/2020 18:26:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 15:12:00	Initial	09/21/2020 15:12:00	DB-624	Agilent__MSD5
JLTS0	FS	Soil	Low	09/11/2020 10:48:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 14:34:00	Initial	09/21/2020 14:34:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTS1	FS	Soil	Low	09/11/2020 11:33:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 14:57:00	Initial	09/21/2020 14:57:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTT3	FS	Soil	Low	09/11/2020 12:37:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 18:49:00	Reinjection-01	09/22/2020 18:49:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 15:36:00	Initial	09/21/2020 15:36:00	DB-624	Agilent__MSD5
JLTS5	FS	Soil	Low	09/11/2020	09/16/2020			Purge_and_Trap	09/21/2020	Initial	09/21/2020	DB-624	Agilent_6890N /

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:55

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY4

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007586

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
				12:51:00	11:34:00				16:28:00		16:28:00		5973inert_MSD13
JLTS4	FS	Soil	Low	09/11/2020 12:59:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 16:05:00	Initial	09/21/2020 16:05:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTT8	FS	Soil	Low	09/11/2020 13:40:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 16:48:00	Initial	09/21/2020 16:48:00	DB-624	Agilent__MSD5
JLTR7	FS	Soil	Low	09/11/2020 14:13:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 18:46:00	Initial	09/21/2020 18:46:00	DB-624	Agilent__MSD5
JLTT4	FS	Soil	Low	09/12/2020 08:52:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 16:00:00	Initial	09/21/2020 16:00:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/22/2020 19:14:00	Reinjection-01	09/22/2020 19:14:00	DB-624	Agilent__MSD5
JLTT5	FS	Soil	Low	09/12/2020 09:38:00	09/16/2020 11:34:00			Purge_and_Trap	09/22/2020 19:38:00	Reinjection-01	09/22/2020 19:38:00	DB-624	Agilent__MSD5
								Purge_and_Trap	09/21/2020 16:23:00	Initial	09/21/2020 16:23:00	DB-624	Agilent__MSD5
JLTW0	FS	Soil	Low	09/12/2020 10:10:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 17:10:00	Initial	09/21/2020 17:10:00	DB-624	Agilent__MSD5
JLTW2	FS	Soil	Low	09/12/2020 10:44:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 17:35:00	Initial	09/21/2020 17:35:00	DB-624	Agilent__MSD5
JLTQ1	FS	Soil	Low	09/13/2020 10:20:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 14:11:00	Initial	09/21/2020 14:11:00	DB-624	Agilent_6890N / 5973inert_MSD13
JLTR7ME	FS	Soil	Medium	09/11/2020 14:13:00	09/16/2020 11:34:00			Purge_and_Trap	09/23/2020 18:13:00	Initial	09/23/2020 18:13:00	DB-624	Agilent__MSD5

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:55

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY4

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007586

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTY4	FS	Soil	Low	09/10/2020 10:25:00	09/12/2020 09:50:00			Sonication	09/22/2020 09:40:00	Initial	09/29/2020 20:15:00	Zebron ZB-SV	Agilent__MSD12
JLTS6	FS	Soil	Low	09/10/2020 13:54:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 15:40:00	Zebron ZB-SV	Agilent__MSD12
JLTS7	FS	Soil	Low	09/10/2020 16:25:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 16:09:00	Zebron ZB-SV	Agilent__MSD12
JLTS8	FS	Soil	Low	09/11/2020 09:16:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 16:38:00	Zebron ZB-SV	Agilent__MSD12
JLTS9	FS	Soil	Low	09/11/2020 09:53:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 17:07:00	Zebron ZB-SV	Agilent__MSD12
JLTS2	FS	Soil	Low	09/11/2020 10:03:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 13:43:00	Zebron ZB-SV	Agilent__MSD12
JLTS3	FS	Soil	Low	09/11/2020 10:14:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 14:12:00	Zebron ZB-SV	Agilent__MSD12
JLTT2	FS	Soil	Low	09/11/2020 10:30:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/02/2020 15:00:00	Zebron ZB-SV	Agilent__MSD12
JLTS0	FS	Soil	Low	09/11/2020 10:48:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 12:45:00	Zebron ZB-SV	Agilent__MSD12
JLTS1	FS	Soil	Low	09/11/2020 11:33:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 13:14:00	Zebron ZB-SV	Agilent__MSD12
JLTT3	FS	Soil	Low	09/11/2020 12:37:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/02/2020 15:28:00	Zebron ZB-SV	Agilent__MSD12
JLTS5	FS	Soil	Low	09/11/2020 12:51:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/02/2020 14:31:00	Zebron ZB-SV	Agilent__MSD12
JLTS4	FS	Soil	Low	09/11/2020 12:59:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 14:42:00	Zebron ZB-SV	Agilent__MSD12
JLTT8	FS	Soil	Low	09/11/2020 13:40:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 18:34:00	Zebron ZB-SV	Agilent__MSD12
JLTR7	FS	Soil	Low	09/11/2020 14:13:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/29/2020 22:38:00	Zebron ZB-SV	Agilent__MSD12
JLTT4	FS	Soil	Low	09/12/2020 08:52:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 19:32:00	Zebron ZB-SV	Agilent__MSD12
JLTT5	FS	Soil	Low	09/12/2020 09:38:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 20:01:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:55

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY4

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007586

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTW0	FS	Soil	Low	09/12/2020 10:10:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 20:30:00	Zebron ZB-SV	Agilent__MSD12
JLTW2	FS	Soil	Low	09/12/2020 10:44:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 20:58:00	Zebron ZB-SV	Agilent__MSD12
JLTQ1	FS	Soil	Low	09/13/2020 10:20:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	09/30/2020 19:03:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:55

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY4

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007586

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTY4	FS	Soil	Low	09/10/2020 10:25:00	09/12/2020 09:50:00			Sonication	09/17/2020 09:01:00	Initial	09/23/2020 01:34:00	Zebron ZB-SV	Agilent__MSD4
JLTS6	FS	Soil	Low	09/10/2020 13:54:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 15:35:00	Zebron ZB-SV	Agilent__MSD4
JLTS7	FS	Soil	Low	09/10/2020 16:25:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 16:02:00	Zebron ZB-SV	Agilent__MSD4
JLTS8	FS	Soil	Low	09/11/2020 09:16:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 17:23:00	Zebron ZB-SV	Agilent__MSD4
JLTS9	FS	Soil	Low	09/11/2020 09:53:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 17:49:00	Zebron ZB-SV	Agilent__MSD4
JLTS2	FS	Soil	Low	09/11/2020 10:03:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/01/2020 17:48:00	Zebron ZB-SV	Agilent__MSD4
JLTS3	FS	Soil	Low	09/11/2020 10:14:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/01/2020 18:15:00	Zebron ZB-SV	Agilent__MSD4
JLTT2	FS	Soil	Low	09/11/2020 10:30:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 16:29:00	Zebron ZB-SV	Agilent__MSD4
JLTS0	FS	Soil	Low	09/11/2020 10:48:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 14:42:00	Zebron ZB-SV	Agilent__MSD4
JLTS1	FS	Soil	Low	09/11/2020 11:33:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 15:09:00	Zebron ZB-SV	Agilent__MSD4
JLTT3	FS	Soil	Low	09/11/2020 12:37:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 18:16:00	Zebron ZB-SV	Agilent__MSD4
JLTS5	FS	Soil	Low	09/11/2020 12:51:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/01/2020 19:08:00	Zebron ZB-SV	Agilent__MSD4
JLTS4	FS	Soil	Low	09/11/2020 12:59:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/01/2020 18:42:00	Zebron ZB-SV	Agilent__MSD4
JLTT8	FS	Soil	Low	09/11/2020 13:40:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 18:43:00	Zebron ZB-SV	Agilent__MSD4
JLTR7	FS	Soil	Low	09/11/2020 14:13:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 14:15:00	Zebron ZB-SV	Agilent__MSD4
JLTT4	FS	Soil	Low	09/12/2020 08:52:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 21:23:00	Zebron ZB-SV	Agilent__MSD4
JLTT5	FS	Soil	Low	09/12/2020 09:38:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 19:36:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:55

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY4

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007586

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTW0	FS	Soil	Low	09/12/2020 10:10:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 20:03:00	Zebron ZB-SV	Agilent__MSD4
JLTW2	FS	Soil	Low	09/12/2020 10:44:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 20:30:00	Zebron ZB-SV	Agilent__MSD4
JLTQ1	FS	Soil	Low	09/13/2020 10:20:00	09/17/2020 11:25:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 19:10:00	Zebron ZB-SV	Agilent__MSD4

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: OP01GP01	pH:	Sample Date: 09/13/2020	Sample Time: 10:20:00
% Moisture:		% Solids: 87.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	75	U	ug/kg	75	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Unknown Alkane-01	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-08	TIC	98	J	ug/kg	98	J	1.0	YES	NV
Unknown-01	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-02	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-03	TIC	500	J	ug/kg	500	J	1.0	YES	NV
Unknown-04	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Unknown-05	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-06	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-07	TIC	110	J	ug/kg	110	J	1.0	YES	NV
1-Octadecanethiol	TIC	210	NJ	ug/kg	210	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ1	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: OP01GP01	pH:	Sample Date: 09/13/2020	Sample Time: 10:20:00
% Moisture:		% Solids: 87.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.2	JQ	ug/kg	1.2	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	0.52	JQ	ug/kg	0.52	J	1.0	YES	S4VEM
Pentachlorophenol	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Phenanthrene	Target	4.0		ug/kg	4.0		1.0	YES	S4VEM
Anthracene	Target	0.75	JQ	ug/kg	0.75	J	1.0	YES	S4VEM
Fluoranthene	Target	8.2		ug/kg	8.2		1.0	YES	S4VEM
Pyrene	Target	7.2		ug/kg	7.2		1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.4		ug/kg	4.4		1.0	YES	S4VEM
Chrysene	Target	4.8		ug/kg	4.8		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	6.5		ug/kg	6.5		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	2.9	JQ	ug/kg	2.9	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.4		ug/kg	4.4		1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.0	JQ	ug/kg	3.0	J	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	2.3	JQ	ug/kg	2.3	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: OP01GP01	pH:	Sample Date: 09/13/2020	Sample Time: 10:20:00
% Moisture:		% Solids: 93.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Chloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Bromomethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Chloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Acetone	Target	6.7	JQ	ug/kg	6.7	J	1.0	YES	S4VEM
Carbon disulfide	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Methyl acetate	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Methylene chloride	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Chloroform	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Cyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Benzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Trichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Toluene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
o-Xylene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Styrene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Bromoform	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 75.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	89	U	ug/kg	89	U	1.0	YES	S4VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Phenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	62	J	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Dimethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	440	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	440	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	440	U	ug/kg	440	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Unknown-15	TIC	500	J	ug/kg	500	J	1.0	YES	NV
Unknown-16	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown Alkane-02	TIC	450	J	ug/kg	450	J	1.0	YES	NV
Cyclopentene, 1,2-dimethyl-4-methylene-3	TIC	350	NJ	ug/kg	350	NJ	1.0	YES	NV
Unknown-17	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-18	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-19	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown Alkane-03	TIC	470	J	ug/kg	470	J	1.0	YES	NV
Unknown-20	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-21	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-22	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-23	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown Alkane-01	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-14	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-13	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Cyclohexane, 2-butyl-1,1,3-trimethyl-	TIC	310	NJ	ug/kg	310	NJ	1.0	YES	NV
Unknown-12	TIC	750	J	ug/kg	750	J	1.0	YES	NV
Unknown-11	TIC	550	J	ug/kg	550	J	1.0	YES	NV
Unknown-10	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-09	TIC	680	J	ug/kg	680	J	1.0	YES	NV
Unknown-08	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Unknown-07	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Unknown-24	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Benzene, 2-ethyl-1,4-dimethyl-	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-05	TIC	780	J	ug/kg	780	J	1.0	YES	NV
Unknown-04	TIC	920	J	ug/kg	920	J	1.0	YES	NV
Unknown-03	TIC	950	J	ug/kg	950	J	1.0	YES	NV
Unknown-02	TIC	890	J	ug/kg	890	J	1.0	YES	NV
Unknown-01	TIC	680	J	ug/kg	680	J	1.0	YES	NV
Unknown-06	TIC	940	J	ug/kg	940	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR7	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 75.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	15		ug/kg	15		1.0	YES	S4VEM
2-Methylnaphthalene	Target	53		ug/kg	53		1.0	YES	S4VEM
Acenaphthylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Acenaphthene	Target	3.0	JQ	ug/kg	3.0	J	1.0	YES	S4VEM
Fluorene	Target	4.3	JQ	ug/kg	4.3	J	1.0	YES	S4VEM
Pentachlorophenol	Target	6.0	JQ	ug/kg	6.0	J	1.0	YES	S4VEM
Phenanthrene	Target	5.8		ug/kg	5.8		1.0	YES	S4VEM
Anthracene	Target	3.0	JQ	ug/kg	3.0	J	1.0	YES	S4VEM
Fluoranthene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Pyrene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
Chrysene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	2.2	JQ	ug/kg	2.2	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.67	JQ	ug/kg	0.67	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.81	JQ	ug/kg	0.81	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 73.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Chloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Vinyl chloride	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Bromomethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Chloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Acetone	Target	27	JQ	ug/kg	27	J	1.0	YES	S4VEM
Carbon disulfide	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Methyl acetate	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Methylene chloride	Target	15	U	ug/kg	5.0	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
2-Butanone	Target	30	U	ug/kg	30	U	1.0	YES	S4VEM
Bromochloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Chloroform	Target	3.8	JQ	ug/kg	3.8	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Cyclohexane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Benzene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Trichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Methylcyclohexane	Target		R	ug/kg	1700	E	1.0	YES	S4VEM
1,2-Dichloropropane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Bromodichloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	30	U	ug/kg	30	U	1.0	YES	S4VEM
Toluene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Tetrachloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
2-Hexanone	Target	30	U	ug/kg	30	U	1.0	YES	S4VEM
Dibromochloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Chlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.6	JQ	ug/kg	7.6	J	1.0	YES	S4VEM
o-Xylene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
m, p-Xylene	Target	3.0	JQ	ug/kg	3.0	J	1.0	YES	S4VEM
Styrene	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Bromoform	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Isopropylbenzene	Target	20		ug/kg	20		1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S4VEM
Muurolane-B	TIC	230	NJ	ug/kg	230	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-02	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown Alkane-010	TIC	850	J	ug/kg	850	J	1.0	YES	NV
Unknown-03	TIC	600	J	ug/kg	600	J	1.0	YES	NV
Unknown Alkane-011	TIC	450	J	ug/kg	450	J	1.0	YES	NV
Unknown-04	TIC	710	J	ug/kg	710	J	1.0	YES	NV
Unknown Alkane-012	TIC	450	J	ug/kg	450	J	1.0	YES	NV
Unknown Alkane-013	TIC	460	J	ug/kg	460	J	1.0	YES	NV
Unknown-05	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-06	TIC	680	J	ug/kg	680	J	1.0	YES	NV
Unknown Alkane-014	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-07	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Benzene, 1-ethyl-2,3-dimethyl-	TIC	170	NJ	ug/kg	170	NJ	1.0	YES	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	140	NJ	ug/kg	140	NJ	1.0	YES	NV
Unknown-08	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-09	TIC	150	J	ug/kg	150	J	1.0	YES	NV
1H-Indene, 2,3-dihydro-5-methyl-	TIC	150	NJ	ug/kg	150	NJ	1.0	YES	NV
1H-Indene, 2,3-dihydro-1,6-dimethyl-	TIC	180	NJ	ug/kg	180	NJ	1.0	YES	NV
1H-Indene, 2,3-dihydro-1,2-dimethyl-	TIC	170	NJ	ug/kg	170	NJ	1.0	YES	NV
Unknown Alkane-08	TIC	510	J	ug/kg	510	J	1.0	YES	NV
Unknown Alkane-07	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-01	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown Alkane-06	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown Alkane-05	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown Alkane-04	TIC	750	J	ug/kg	750	J	1.0	YES	NV
Unknown Alkane-03	TIC	760	J	ug/kg	760	J	1.0	YES	NV
Unknown Alkane-02	TIC	620	J	ug/kg	620	J	1.0	YES	NV
Unknown Alkane-01	TIC	520	J	ug/kg	520	J	1.0	YES	NV
Unknown Alkane-09	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR7ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 73.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Chloromethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Vinyl chloride	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Bromomethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Chloroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Acetone	Target		R	ug/kg	1900	U	1.0	YES	S4VEM
Carbon disulfide	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Methyl acetate	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Methylene chloride	Target		R	ug/kg	970	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
2-Butanone	Target		R	ug/kg	1900	U	1.0	YES	S4VEM
Bromochloromethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Chloroform	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Cyclohexane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Carbon tetrachloride	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Benzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Trichloroethene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5100		ug/kg	5100		1.0	YES	S4VEM
1,2-Dichloropropane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Bromodichloromethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target		R	ug/kg	1900	U	1.0	YES	S4VEM
Toluene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Tetrachloroethene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
2-Hexanone	Target		R	ug/kg	1900	U	1.0	YES	S4VEM
Dibromochloromethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Chlorobenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Ethylbenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
o-Xylene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
m, p-Xylene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Styrene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Bromoform	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Isopropylbenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target		R	ug/kg	970	U	1.0	YES	S4VEM
Unknown Alkane-08	TIC	3600	J	ug/kg	3600	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-04	TIC	6700	J	ug/kg	6700	J	1.0	YES	NV
Unknown-05	TIC	3900	J	ug/kg	3900	J	1.0	YES	NV
Unknown Alkane-09	TIC	5900	J	ug/kg	5900	J	1.0	YES	NV
Unknown-06	TIC	7400	J	ug/kg	7400	J	1.0	YES	NV
Unknown-07	TIC	4400	J	ug/kg	4400	J	1.0	YES	NV
Unknown Alkane-010	TIC	2600	J	ug/kg	2600	J	1.0	YES	NV
Unknown-08	TIC	5800	J	ug/kg	5800	J	1.0	YES	NV
Unknown Alkane-011	TIC	3200	J	ug/kg	3200	J	1.0	YES	NV
Unknown Alkane-012	TIC	4000	J	ug/kg	4000	J	1.0	YES	NV
Unknown-09	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV
p-Cymene	TIC	3100	NJ	ug/kg	3100	NJ	1.0	YES	NV
1-Methyldecahydronaphthalene	TIC	5200	NJ	ug/kg	5200	NJ	1.0	YES	NV
Unknown-10	TIC	4200	J	ug/kg	4200	J	1.0	YES	NV
Unknown-11	TIC	3600	J	ug/kg	3600	J	1.0	YES	NV
Unknown-12	TIC	4200	J	ug/kg	4200	J	1.0	YES	NV
Benzene, (1-methyl-1-butenyl)-	TIC	3000	NJ	ug/kg	3000	NJ	1.0	YES	NV
Unknown Alkane-07	TIC	6400	J	ug/kg	6400	J	1.0	YES	NV
Unknown-13	TIC	3000	J	ug/kg	3000	J	1.0	YES	NV
Unknown Alkane-06	TIC	3700	J	ug/kg	3700	J	1.0	YES	NV
Unknown Alkane-05	TIC	10000	J	ug/kg	10000	J	1.0	YES	NV
Unknown-02	TIC	3600	J	ug/kg	3600	J	1.0	YES	NV
Unknown-01	TIC	8200	J	ug/kg	8200	J	1.0	YES	NV
Unknown Alkane-04	TIC	4100	J	ug/kg	4100	J	1.0	YES	NV
Unknown Alkane-03	TIC	8300	J	ug/kg	8300	J	1.0	YES	NV
Unknown Alkane-02	TIC	14000	J	ug/kg	14000	J	1.0	YES	NV
Unknown Alkane-01	TIC	6100	J	ug/kg	6100	J	1.0	YES	NV
Unknown-03	TIC	6500	J	ug/kg	6500	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL11TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:48:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	87	U	ug/kg	87	U	1.0	YES	S4VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Phenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
3-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
4-Nitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	430	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	57	J	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Carbazole	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	430	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	31	J	1.0	YES	S4VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	JQ	ug/kg	190	J	1.0	YES	S4VEM
Di-n-octylphthalate	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Unknown-12	TIC	800	J	ug/kg	800	J	1.0	YES	NV
Unknown-13	TIC	900	J	ug/kg	900	J	1.0	YES	NV
Unknown-14	TIC	480	J	ug/kg	480	J	1.0	YES	NV
Unknown-15	TIC	960	J	ug/kg	960	J	1.0	YES	NV
Unknown-16	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-17	TIC	980	J	ug/kg	980	J	1.0	YES	NV
Unknown-18	TIC	530	J	ug/kg	530	J	1.0	YES	NV
Unknown-19	TIC	630	J	ug/kg	630	J	1.0	YES	NV
Unknown-20	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-21	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown Alkane-05	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown-22	TIC	850	J	ug/kg	850	J	1.0	YES	NV
Unknown-11	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-10	TIC	590	J	ug/kg	590	J	1.0	YES	NV
Unknown Alkane-04	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Unknown-09	TIC	450	J	ug/kg	450	J	1.0	YES	NV
Unknown-08	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-07	TIC	590	J	ug/kg	590	J	1.0	YES	NV
Unknown-06	TIC	630	J	ug/kg	630	J	1.0	YES	NV
Supraene	TIC	470	NJ	ug/kg	470	NJ	1.0	YES	NV
Unknown Alkane-03	TIC	4700	J	ug/kg	4700	J	1.0	YES	NV
Unknown-05	TIC	1900	J	ug/kg	1900	J	1.0	YES	NV
1-Bromodocosane	TIC	540	NJ	ug/kg	540	NJ	1.0	YES	NV
Unknown-03	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
1-Heptadecene	TIC	3700	NJ	ug/kg	3700	NJ	1.0	YES	NV
Unknown-02	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
Unknown-01	TIC	3000	J	ug/kg	3000	J	1.0	YES	NV
Unknown Alkane-02	TIC	2700	J	ug/kg	2700	J	1.0	YES	NV
Unknown Alkane-01	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Unknown-04	TIC	1900	J	ug/kg	1900	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL11TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:48:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	7.1		ug/kg	7.1		1.0	YES	S4VEM
2-Methylnaphthalene	Target	18		ug/kg	18		1.0	YES	S4VEM
Acenaphthylene	Target	0.85	JQ	ug/kg	0.85	J	1.0	YES	S4VEM
Acenaphthene	Target	1.4	JQ	ug/kg	1.4	J	1.0	YES	S4VEM
Fluorene	Target	2.9	JQ	ug/kg	2.9	J	1.0	YES	S4VEM
Pentachlorophenol	Target	4.5	JQ	ug/kg	4.5	J	1.0	YES	S4VEM
Phenanthrene	Target	32		ug/kg	32		1.0	YES	S4VEM
Anthracene	Target	2.3	JQ	ug/kg	2.3	J	1.0	YES	S4VEM
Fluoranthene	Target	8.6		ug/kg	8.6		1.0	YES	S4VEM
Pyrene	Target	9.3		ug/kg	9.3		1.0	YES	S4VEM
Benzo(a)anthracene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
Chrysene	Target	7.2		ug/kg	7.2		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	8.3		ug/kg	8.3		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	5.8		ug/kg	5.8		1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.4	JQ	ug/kg	3.4	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL11TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:48:00
% Moisture:		% Solids: 74.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Chloromethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Vinyl chloride	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Bromomethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Chloroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Acetone	Target	160		ug/kg	160		1.0	YES	S4VEM
Carbon disulfide	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Methyl acetate	Target	65		ug/kg	65		1.0	YES	S4VEM
Methylene chloride	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
2-Butanone	Target	130	U	ug/kg	130	U	1.0	YES	S4VEM
Bromochloromethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Chloroform	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Cyclohexane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Benzene	Target	25	JQ	ug/kg	25	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Trichloroethene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Methylcyclohexane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Bromodichloromethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	130	U	ug/kg	130	U	1.0	YES	S4VEM
Toluene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Tetrachloroethene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
2-Hexanone	Target	130	U	ug/kg	130	U	1.0	YES	S4VEM
Dibromochloromethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Chlorobenzene	Target	65	UJ	ug/kg	65	U	1.0	YES	S4VEM
Ethylbenzene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
o-Xylene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
m, p-Xylene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Styrene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Bromoform	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
Isopropylbenzene	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	65	UJ	ug/kg	65	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	65	UJ	ug/kg	65	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	65	UJ	ug/kg	65	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	65	U	ug/kg	65	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	65	UJ	ug/kg	65	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	65	UJ	ug/kg	65	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL11TP02	pH:	Sample Date: 09/11/2020	Sample Time: 11:33:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	78	U	ug/kg	78	U	1.0	YES	S4VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Dimethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	390	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	390	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Unknown-18	TIC	600	J	ug/kg	600	J	1.0	YES	NV
Unknown-28	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-27	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-26	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-25	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-24	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-23	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Unknown-22	TIC	480	J	ug/kg	480	J	1.0	YES	NV
Unknown-21	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-20	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-17	TIC	910	J	ug/kg	910	J	1.0	YES	NV
Unknown-16	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-15	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-14	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-13	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-12	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-11	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-10	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-09	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown-08	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-07	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-06	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-05	TIC	430	J	ug/kg	430	J	1.0	YES	NV
n-Tridecan-1-ol	TIC	860	NJ	ug/kg	860	NJ	1.0	YES	NV
Unknown-04	TIC	740	J	ug/kg	740	J	1.0	YES	NV
Unknown-03	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-02	TIC	530	J	ug/kg	530	J	1.0	YES	NV
Oxalic acid, isobutyl tetradecyl ester	TIC	940	NJ	ug/kg	940	NJ	1.0	YES	NV
Unknown-19	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Unknown-01	TIC	300	J	ug/kg	300	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS1	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL11TP02	pH:	Sample Date: 09/11/2020	Sample Time: 11:33:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.95	JQ	ug/kg	0.95	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Acenaphthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Fluorene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S4VEM
Phenanthrene	Target	2.6	JQ	ug/kg	2.6	J	1.0	YES	S4VEM
Anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Fluoranthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Pyrene	Target	0.94	JQ	ug/kg	0.94	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Chrysene	Target	0.51	JQ	ug/kg	0.51	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL11TP02	pH:	Sample Date: 09/11/2020	Sample Time: 11:33:00
% Moisture:		% Solids: 88.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Chloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Vinyl chloride	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Bromomethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Chloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Acetone	Target	69		ug/kg	69		1.0	YES	S4VEM
Carbon disulfide	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Methyl acetate	Target	22	JQ	ug/kg	22	J	1.0	YES	S4VEM
Methylene chloride	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
2-Butanone	Target	56	U	ug/kg	56	U	1.0	YES	S4VEM
Bromochloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Chloroform	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Cyclohexane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Benzene	Target	24	JQ	ug/kg	24	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Trichloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Methylcyclohexane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Bromodichloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	56	U	ug/kg	56	U	1.0	YES	S4VEM
Toluene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Tetrachloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
2-Hexanone	Target	56	U	ug/kg	56	U	1.0	YES	S4VEM
Dibromochloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Chlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Ethylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
o-Xylene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
m, p-Xylene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Styrene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Bromoform	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
Isopropylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL12TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:03:00
% Moisture:		% Solids: 96.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	68	U	ug/kg	68	U	1.0	YES	S4VEM
Benzaldehyde	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Phenol	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Acetophenone	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
4-Nitrophenol	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	340	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	340	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	340	U	ug/kg	340	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-01	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown-25	TIC	71	J	ug/kg	71	J	1.0	YES	NV
Unknown-02	TIC	230	J	ug/kg	230	J	1.0	YES	NV
1-Hexacosanol	TIC	180	NJ	ug/kg	180	NJ	1.0	YES	NV
Unknown-03	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-04	TIC	92	J	ug/kg	92	J	1.0	YES	NV
Unknown-05	TIC	83	J	ug/kg	83	J	1.0	YES	NV
Unknown-06	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-07	TIC	82	J	ug/kg	82	J	1.0	YES	NV
Unknown-08	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-09	TIC	81	J	ug/kg	81	J	1.0	YES	NV
Unknown-10	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-11	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-12	TIC	77	J	ug/kg	77	J	1.0	YES	NV
Unknown-13	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Octadecane, 1-chloro-	TIC	230	NJ	ug/kg	230	NJ	1.0	YES	NV
Unknown-14	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-15	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-16	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-17	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-18	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Unknown-19	TIC	82	J	ug/kg	82	J	1.0	YES	NV
Unknown-20	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-21	TIC	94	J	ug/kg	94	J	1.0	YES	NV
Unknown-22	TIC	86	J	ug/kg	86	J	1.0	YES	NV
Unknown-23	TIC	71	J	ug/kg	71	J	1.0	YES	NV
Unknown-24	TIC	70	J	ug/kg	70	J	1.0	YES	NV
3-Hexene-2,5-dione	TIC	200	NJ	ug/kg	200	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL12TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:03:00
% Moisture:		% Solids: 96.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.2	JQ	ug/kg	1.2	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Acenaphthene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Fluorene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Phenanthrene	Target	2.2	JQ	ug/kg	2.2	J	1.0	YES	S4VEM
Anthracene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Fluoranthene	Target	0.55	JQ	ug/kg	0.55	J	1.0	YES	S4VEM
Pyrene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Chrysene	Target	0.93	JQ	ug/kg	0.93	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.80	JQ	ug/kg	0.80	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL12TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:03:00
% Moisture:		% Solids: 96.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Bromomethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Acetone	Target	22		ug/kg	22		1.0	YES	S4VEM
Carbon disulfide	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methyl acetate	Target	11		ug/kg	11		1.0	YES	S4VEM
Methylene chloride	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
2-Butanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Bromochloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chloroform	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Cyclohexane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Benzene	Target	2.2	JQ	ug/kg	2.2	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Trichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Toluene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
2-Hexanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
o-Xylene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
m, p-Xylene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Styrene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Bromoform	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Ethyl Acetate	TIC	15	NJ	ug/kg	15	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL12TP02	pH:	Sample Date: 09/11/2020	Sample Time: 10:14:00
% Moisture:		% Solids: 81.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	U	ug/kg	81	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-01	TIC	710	J	ug/kg	710	J	1.0	YES	NV
Unknown-27	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown Alkane-01	TIC	440	J	ug/kg	440	J	1.0	YES	NV
Unknown-02	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-03	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-04	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown-05	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-06	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-07	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-08	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-09	TIC	480	J	ug/kg	480	J	1.0	YES	NV
Squalene	TIC	500	NJ	ug/kg	500	NJ	1.0	YES	NV
Unknown-10	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-11	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-12	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-13	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-14	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-15	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-16	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-17	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-18	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-19	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-20	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-21	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-22	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-23	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-24	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-25	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-26	TIC	160	J	ug/kg	160	J	1.0	YES	NV
3-Hexene-2,5-dione	TIC	510	NJ	ug/kg	510	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS3	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL12TP02	pH:	Sample Date: 09/11/2020	Sample Time: 10:14:00
% Moisture:		% Solids: 81.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.7	JQ	ug/kg	3.7	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	2.0	JQ	ug/kg	2.0	J	1.0	YES	S4VEM
Pentachlorophenol	Target	29		ug/kg	29		1.0	YES	S4VEM
Phenanthrene	Target	4.1		ug/kg	4.1		1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluoranthene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Chrysene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL12TP02	pH:	Sample Date: 09/11/2020	Sample Time: 10:14:00
% Moisture:		% Solids: 80.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Bromomethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Acetone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Carbon disulfide	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methyl acetate	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methylene chloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Bromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chloroform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Cyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Benzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Trichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Toluene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
o-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Styrene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Bromoform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL13TP01	pH:	Sample Date: 09/11/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 69.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	96	U	ug/kg	96	U	1.0	YES	S4VEM
Benzaldehyde	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Phenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Acetophenone	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
4-Chloroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Caprolactam	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2-Nitroaniline	Target	240	UJ	ug/kg	240	U	1.0	YES	S4VEM
Dimethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
3-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
4-Nitrophenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
4-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Atrazine	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	470	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Carbazole	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	470	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	240	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S4VEM
3-Hexene-2,5-dione	TIC	350	NJ	ug/kg	350	NJ	1.0	YES	NV
Unknown-04	TIC	500	J	ug/kg	500	J	1.0	YES	NV
Unknown-06	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-07	TIC	96	J	ug/kg	96	J	1.0	YES	NV
Unknown-08	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-09	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-10	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-11	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-12	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-13	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-03	TIC	610	J	ug/kg	610	J	1.0	YES	NV
Unknown-02	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-01	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-14	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-05	TIC	110	J	ug/kg	110	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL13TP01	pH:	Sample Date: 09/11/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 69.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Acenaphthene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Fluorene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Pentachlorophenol	Target	9.6	U	ug/kg	9.6	U	1.0	YES	S4VEM
Phenanthrene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Anthracene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Fluoranthene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Pyrene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Chrysene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS4	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL13TP01	pH:	Sample Date: 09/11/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 70.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Chloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Vinyl chloride	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromomethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Chloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Acetone	Target	9.0	JQ	ug/kg	9.0	J	1.0	YES	S4VEM
Carbon disulfide	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Methyl acetate	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Methylene chloride	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
2-Butanone	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Bromochloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Chloroform	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Cyclohexane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Benzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Trichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Methylcyclohexane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromodichloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Toluene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Tetrachloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
2-Hexanone	Target	20	U	ug/kg	20	U	1.0	YES	S4VEM
Dibromochloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Chlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Ethylbenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
o-Xylene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
m, p-Xylene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Styrene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromoform	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Isopropylbenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL13TP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 72.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	91	U	ug/kg	91	U	1.0	YES	S4VEM
Benzaldehyde	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Phenol	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Acetophenone	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
4-Chloroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Caprolactam	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Dimethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
3-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
4-Nitrophenol	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Atrazine	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	450	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Carbazole	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	450	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	450	U	ug/kg	450	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	230	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S4VEM
Unknown-01	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-02	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-03	TIC	510	J	ug/kg	510	J	1.0	YES	NV
Unknown-04	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-05	TIC	320	J	ug/kg	320	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL13TP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 72.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Acenaphthene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Fluorene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Pentachlorophenol	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Phenanthrene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Anthracene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Fluoranthene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Pyrene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Chrysene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL13TP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 72.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Bromomethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Acetone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Carbon disulfide	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methyl acetate	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methylene chloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Bromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chloroform	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Cyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Benzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Trichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Toluene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
o-Xylene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
m, p-Xylene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Styrene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Bromoform	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 88.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	75	U	ug/kg	75	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Eicosanoic acid, ethyl ester	TIC	700	NJ	ug/kg	700	NJ	1.0	YES	NV
Unknown-15	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown Alkane-01	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-16	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Tetracosanoic acid, methyl ester	TIC	260	NJ	ug/kg	260	NJ	1.0	YES	NV
Unknown-17	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-18	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	580	NJ	ug/kg	580	NJ	1.0	YES	NV
Squalene	TIC	2300	NJ	ug/kg	2300	NJ	1.0	YES	NV
Unknown-19	TIC	2700	J	ug/kg	2700	J	1.0	YES	NV
Unknown-20	TIC	5900	J	ug/kg	5900	J	1.0	YES	NV
.beta.-Sitosterol	TIC	11000	NJ	ug/kg	11000	NJ	1.0	YES	NV
Unknown-14	TIC	190	J	ug/kg	190	J	1.0	YES	NV
E-15-Heptadecenal	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
Unknown-13	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-12	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Unknown-11	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Retene	TIC	280	NJ	ug/kg	280	NJ	1.0	YES	NV
Unknown-10	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-09	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-08	TIC	3100	J	ug/kg	3100	J	1.0	YES	NV
Unknown-07	TIC	140000	J	ug/kg	140000	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	8700	NJ	ug/kg	8700	NJ	1.0	YES	NV
Unknown-05	TIC	3300	J	ug/kg	3300	J	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	49000	NJ	ug/kg	49000	NJ	1.0	YES	NV
Unknown-04	TIC	4300	J	ug/kg	4300	J	1.0	YES	NV
Unknown-03	TIC	12000	J	ug/kg	12000	J	1.0	YES	NV
Unknown-02	TIC	18000	J	ug/kg	18000	J	1.0	YES	NV
Unknown-01	TIC	6000	J	ug/kg	6000	J	1.0	YES	NV
Unknown-06	TIC	15000	J	ug/kg	15000	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 88.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
2-Methylnaphthalene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Acenaphthylene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Acenaphthene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Fluorene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Pentachlorophenol	Target	75	U	ug/kg	75	U	10.0	YES	S4VEM
Phenanthrene	Target	9.8	JQ	ug/kg	9.8	J D	10.0	YES	S4VEM
Anthracene	Target	9.4	JQ	ug/kg	9.4	J D	10.0	YES	S4VEM
Fluoranthene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Pyrene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Benzo(a)anthracene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Chrysene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Benzo(b)fluoranthene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Benzo(k)fluoranthene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Benzo(a)pyrene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	37	U	ug/kg	37	U	10.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS6	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 81.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Chloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Vinyl chloride	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Bromomethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Chloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Acetone	Target	88		ug/kg	88		1.0	YES	S4VEM
Carbon disulfide	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Methyl acetate	Target	9.0	JQ	ug/kg	9.0	J	1.0	YES	S4VEM
Methylene chloride	Target	9.3	U	ug/kg	3.5	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
2-Butanone	Target	10	JQ	ug/kg	10	J	1.0	YES	S4VEM
Bromochloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Chloroform	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Cyclohexane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Benzene	Target	10		ug/kg	10		1.0	YES	S4VEM
1,2-Dichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Trichloroethene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Methylcyclohexane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Bromodichloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	19	U	ug/kg	19	U	1.0	YES	S4VEM
Toluene	Target	13		ug/kg	13		1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Tetrachloroethene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
2-Hexanone	Target	19	U	ug/kg	19	U	1.0	YES	S4VEM
Dibromochloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Chlorobenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Ethylbenzene	Target	13		ug/kg	13		1.0	YES	S4VEM
o-Xylene	Target	3.4	JQ	ug/kg	3.4	J	1.0	YES	S4VEM
m, p-Xylene	Target	9.5		ug/kg	9.5		1.0	YES	S4VEM
Styrene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Bromoform	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
Isopropylbenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S4VEM
L-Fenchone	TIC	66	NJ	ug/kg	66	NJ	1.0	YES	NV
p-Cymene	TIC	75	NJ	ug/kg	75	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
(+)-2-Bornanone	TIC	14	NJ	ug/kg	14	NJ	1.0	YES	NV
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	TIC	26	NJ	ug/kg	26	NJ	1.0	YES	NV
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	TIC	36	NJ	ug/kg	36	NJ	1.0	YES	NV
Unknown-01	TIC	20	J	ug/kg	20	J	1.0	YES	NV
Cyclohexane, 1-methyl-4-(1-methylethyl)-	TIC	31	NJ	ug/kg	31	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 79.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	84	U	ug/kg	84	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	410	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	410	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-02	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown-03	TIC	650	J	ug/kg	650	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Unknown-04	TIC	700	J	ug/kg	700	J	1.0	YES	NV
Unknown-05	TIC	720	J	ug/kg	720	J	1.0	YES	NV
Unknown-06	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	790	NJ	ug/kg	790	NJ	1.0	YES	NV
1-Docosene	TIC	1900	NJ	ug/kg	1900	NJ	1.0	YES	NV
Unknown-07	TIC	470	J	ug/kg	470	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	850	NJ	ug/kg	850	NJ	1.0	YES	NV
Testosterone	TIC	450	NJ	ug/kg	450	NJ	1.0	YES	NV
Unknown-09	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-10	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-11	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-12	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-13	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Unknown-14	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-15	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-16	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-17	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-18	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-19	TIC	3100	J	ug/kg	3100	J	1.0	YES	NV
Unknown-20	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-21	TIC	460	J	ug/kg	460	J	1.0	YES	NV
Unknown-22	TIC	700	J	ug/kg	700	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	690	NJ	ug/kg	690	NJ	1.0	YES	NV
Unknown-01	TIC	920	J	ug/kg	920	J	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV
Unknown-08	TIC	380	J	ug/kg	380	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS7	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 79.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.57	JQ	ug/kg	0.57	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Phenanthrene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10		ug/kg	10		1.0	YES	S4VEM
Pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 79.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Bromomethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Acetone	Target	96		ug/kg	96		1.0	YES	S4VEM
Carbon disulfide	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methyl acetate	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methylene chloride	Target	6.1	U	ug/kg	1.8	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
2-Butanone	Target	19		ug/kg	19		1.0	YES	S4VEM
Bromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chloroform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Cyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Benzene	Target	0.96	JQ	ug/kg	0.96	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Trichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Toluene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
o-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Styrene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Bromoform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	12	NJB	ug/kg	12	NJB	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Ethyl Acetate	TIC	7.4	NJ	ug/kg	7.4	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 80.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	83	U	ug/kg	83	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	410	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	410	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3-Hexene-2,5-dione	TIC	190	NJ	ug/kg	190	NJ	1.0	YES	NV
Unknown-04	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-05	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-06	TIC	610	J	ug/kg	610	J	1.0	YES	NV
Unknown-07	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-08	TIC	430	J	ug/kg	430	J	1.0	YES	NV
Unknown-09	TIC	1400	J	ug/kg	1400	J	1.0	YES	NV
Unknown-10	TIC	5500	J	ug/kg	5500	J	1.0	YES	NV
Unknown-11	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Unknown-12	TIC	7000	J	ug/kg	7000	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	7100	NJ	ug/kg	7100	NJ	1.0	YES	NV
6a,12a-Dihydro-6H-(1,3)dioxolo(5,6)benzo	TIC	330	NJ	ug/kg	330	NJ	1.0	YES	NV
Unknown-03	TIC	500	J	ug/kg	500	J	1.0	YES	NV
Unknown-02	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-01	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Unknown-13	TIC	85	J	ug/kg	85	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS8	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 80.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.3	U	ug/kg	8.3	U	1.0	YES	S4VEM
Phenanthrene	Target	0.59	JQ	ug/kg	0.59	J	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 81.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Chloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Bromomethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Chloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Acetone	Target	8.6	JQ	ug/kg	8.6	J	1.0	YES	S4VEM
Carbon disulfide	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Methyl acetate	Target	16		ug/kg	16		1.0	YES	S4VEM
Methylene chloride	Target	7.6	U	ug/kg	2.6	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Bromochloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Chloroform	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Cyclohexane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Benzene	Target	5.4	JQ	ug/kg	5.4	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Trichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Toluene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
o-Xylene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
m, p-Xylene	Target	1.2	JQ	ug/kg	1.2	J	1.0	YES	S4VEM
Styrene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Bromoform	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Ethyl Acetate	TIC	23	NJ	ug/kg	23	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	75	U	ug/kg	75	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3-Hexene-2,5-dione	TIC	250	NJ	ug/kg	250	NJ	1.0	YES	NV
Unknown-02	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-03	TIC	84	J	ug/kg	84	J	1.0	YES	NV
Unknown-04	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-05	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-01	TIC	580	J	ug/kg	580	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS9	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 87.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S4VEM
Phenanthrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluoranthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Chrysene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTS9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 88.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Chloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Bromomethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Chloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Acetone	Target	4.0	JQ	ug/kg	4.0	J	1.0	YES	S4VEM
Carbon disulfide	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Methyl acetate	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Methylene chloride	Target	5.6	U	ug/kg	1.5	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Chloroform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Cyclohexane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Benzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Trichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Toluene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
o-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Styrene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Bromoform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S4VEM
Unknown-01	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Ethyl Acetate	TIC	32	NJ	ug/kg	32	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 88.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	75	U	ug/kg	75	U	1.0	YES	S4VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	370	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	YES	S4VEM
Unknown-09	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-10	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-11	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-12	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-13	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-14	TIC	780	J	ug/kg	780	J	1.0	YES	NV
Unknown-15	TIC	1200	J	ug/kg	1200	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	2400	NJ	ug/kg	2400	NJ	1.0	YES	NV
Unknown-16	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-17	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Unknown-18	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-19	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-08	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-07	TIC	910	J	ug/kg	910	J	1.0	YES	NV
Unknown Alkane-02	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-06	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-05	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	1300	NJ	ug/kg	1300	NJ	1.0	YES	NV
Tetracosanoic acid	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Heneicosanoic acid, methyl ester	TIC	510	NJ	ug/kg	510	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	4300	J	ug/kg	4300	J	1.0	YES	NV
Unknown-04	TIC	440	J	ug/kg	440	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	2100	NJ	ug/kg	2100	NJ	1.0	YES	NV
Unknown-02	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	2200	NJ	ug/kg	2200	NJ	1.0	YES	NV
Docosanoic acid	TIC	1600	NJ	ug/kg	1600	NJ	1.0	YES	NV
Docosanoic acid, methyl ester	TIC	520	NJ	ug/kg	520	NJ	1.0	YES	NV
3-Eicosene, (E)-	TIC	4700	NJ	ug/kg	4700	NJ	1.0	YES	NV
Unknown-01	TIC	480	J	ug/kg	480	J	1.0	YES	NV
Unknown-03	TIC	460	J	ug/kg	460	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 88.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.2	JQ	ug/kg	2.2	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	2.1	JQ	ug/kg	2.1	J	1.0	YES	S4VEM
Acenaphthylene	Target	0.46	JQ	ug/kg	0.46	J	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	0.85	JQ	ug/kg	0.85	J	1.0	YES	S4VEM
Pentachlorophenol	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
Phenanthrene	Target	5.1		ug/kg	5.1		1.0	YES	S4VEM
Anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluoranthene	Target	3.7		ug/kg	3.7		1.0	YES	S4VEM
Pyrene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.36	JQ	ug/kg	0.36	J	1.0	YES	S4VEM
Chrysene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.45	JQ	ug/kg	0.45	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	2.6	JQ	ug/kg	2.6	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 88.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Vinyl chloride	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Bromomethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Acetone	Target	78		ug/kg	78		1.0	YES	S4VEM
Carbon disulfide	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methyl acetate	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methylene chloride	Target	7.9	U	ug/kg	3.1	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
2-Butanone	Target	5.5	JQ	ug/kg	5.5	J	1.0	YES	S4VEM
Bromochloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chloroform	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Cyclohexane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Benzene	Target	7.5	JQ	ug/kg	7.5	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Trichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Methylcyclohexane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Bromodichloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Toluene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Tetrachloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
2-Hexanone	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Dibromochloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Chlorobenzene	Target	7.9	UJ	ug/kg	7.9	U	1.0	YES	S4VEM
Ethylbenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
o-Xylene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
m, p-Xylene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Styrene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Bromoform	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Isopropylbenzene	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	7.9	UJ	ug/kg	7.9	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	7.9	UJ	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	7.9	UJ	ug/kg	7.9	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	7.9	UJ	ug/kg	7.9	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	7.9	UJ	ug/kg	7.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	72	U	ug/kg	72	U	1.0	YES	S4VEM
Benzaldehyde	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Phenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2-Chlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Acetophenone	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Hexachloroethane	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Nitrobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Isophorone	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Nitrophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
4-Chloroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Caprolactam	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2-Nitroaniline	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Dimethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
3-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
4-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Dibenzofuran	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Diethylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
4-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Atrazine	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Carbazole	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	180	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	180	U	ug/kg	180	U	1.0	YES	S4VEM
Unknown-19	TIC	93	J	ug/kg	93	J	1.0	YES	NV
Unknown-20	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-21	TIC	520	J	ug/kg	520	J	1.0	YES	NV
Unknown-22	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-18	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-17	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-16	TIC	87	J	ug/kg	87	J	1.0	YES	NV
Unknown-15	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Unknown-14	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-13	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-12	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-11	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-10	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-09	TIC	86	J	ug/kg	86	J	1.0	YES	NV
Unknown-08	TIC	98	J	ug/kg	98	J	1.0	YES	NV
Unknown-07	TIC	84	J	ug/kg	84	J	1.0	YES	NV
Unknown-06	TIC	88	J	ug/kg	88	J	1.0	YES	NV
1H-Thieno[3,4-d]imidazole-4-propanoic ac	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
Unknown-05	TIC	87	J	ug/kg	87	J	1.0	YES	NV
Unknown-04	TIC	79	J	ug/kg	79	J	1.0	YES	NV
Unknown-03	TIC	110	J	ug/kg	110	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	600	NJ	ug/kg	600	NJ	1.0	YES	NV
3-Hexene-2,5-dione	TIC	490	NJ	ug/kg	490	NJ	1.0	YES	NV
Unknown-01	TIC	640	J	ug/kg	640	J	1.0	YES	NV
Unknown-02	TIC	190	J	ug/kg	190	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT3	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 92.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.90	JQ	ug/kg	0.90	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Acenaphthylene	Target	0.40	JQ	ug/kg	0.40	J	1.0	YES	S4VEM
Acenaphthene	Target	0.93	JQ	ug/kg	0.93	J	1.0	YES	S4VEM
Fluorene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Pentachlorophenol	Target	7.2	U	ug/kg	7.2	U	1.0	YES	S4VEM
Phenanthrene	Target	4.6		ug/kg	4.6		1.0	YES	S4VEM
Anthracene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Fluoranthene	Target	0.66	JQ	ug/kg	0.66	J	1.0	YES	S4VEM
Pyrene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Chrysene	Target	0.61	JQ	ug/kg	0.61	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.69	JQ	ug/kg	0.69	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.5	U	ug/kg	3.5	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 92.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Chloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Bromomethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Chloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Acetone	Target	8.7	JQ	ug/kg	8.7	J	1.0	YES	S4VEM
Carbon disulfide	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Methyl acetate	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Methylene chloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Chloroform	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Cyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Benzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Trichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
o-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Styrene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Bromoform	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S4VEM
Ethyl Acetate	TIC	6.6	NJ	ug/kg	6.6	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 85.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	YES	S4VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Dimethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	390	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	390	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	200	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S4VEM
Unknown-12	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-13	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-14	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-15	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-16	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-17	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-18	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Unknown-19	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-20	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-21	TIC	140	J	ug/kg	140	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	320	NJ	ug/kg	320	NJ	1.0	YES	NV
Unknown-22	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-11	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-10	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-09	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-08	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-07	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Octadecanoic acid, 17-methyl-, methyl es	TIC	310	NJ	ug/kg	310	NJ	1.0	YES	NV
9-Eicosene, (E)-	TIC	450	NJ	ug/kg	450	NJ	1.0	YES	NV
Methyl dehydroabietate	TIC	390	NJ	ug/kg	390	NJ	1.0	YES	NV
Unknown-06	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	180	NJ	ug/kg	180	NJ	1.0	YES	NV
Unknown-04	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Retene	TIC	430	NJ	ug/kg	430	NJ	1.0	YES	NV
Unknown-03	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-02	TIC	310	J	ug/kg	310	J	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	5400	NJ	ug/kg	5400	NJ	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Unknown-01	TIC	690	J	ug/kg	690	J	1.0	YES	NV
Unknown-05	TIC	380	J	ug/kg	380	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 85.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.4		ug/kg	4.4		1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.5		ug/kg	4.5		1.0	YES	S4VEM
Acenaphthylene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Acenaphthene	Target	0.50	JQ	ug/kg	0.50	J	1.0	YES	S4VEM
Fluorene	Target	1.0	JQ	ug/kg	1.0	J	1.0	YES	S4VEM
Pentachlorophenol	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S4VEM
Phenanthrene	Target	7.1		ug/kg	7.1		1.0	YES	S4VEM
Anthracene	Target	0.96	JQ	ug/kg	0.96	J	1.0	YES	S4VEM
Fluoranthene	Target	24		ug/kg	24		1.0	YES	S4VEM
Pyrene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Chrysene	Target	0.80	JQ	ug/kg	0.80	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT4	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 80.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Chloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Vinyl chloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Bromomethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Chloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Acetone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Carbon disulfide	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Methyl acetate	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Methylene chloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Bromochloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Chloroform	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Cyclohexane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Benzene	Target	3.8	JQ	ug/kg	3.8	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Trichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Methylcyclohexane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Bromodichloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Toluene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Tetrachloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Dibromochloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Chlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S4VEM
Ethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
o-Xylene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
m, p-Xylene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Styrene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Bromoform	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
Isopropylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S4VEM
Ethyl Acetate	TIC	13	NJ	ug/kg	13	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 74.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	88	U	ug/kg	88	U	1.0	YES	S4VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Phenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
3-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
4-Nitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	430	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Carbazole	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	430	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	430	U	ug/kg	430	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Unknown-01	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-02	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-03	TIC	710	J	ug/kg	710	J	1.0	YES	NV
Unknown-04	TIC	93	J	ug/kg	93	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 74.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Acenaphthene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Fluorene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.8	U	ug/kg	8.8	U	1.0	YES	S4VEM
Phenanthrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Anthracene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Fluoranthene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Chrysene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Chloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Bromomethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Chloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Acetone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Methyl acetate	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Methylene chloride	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Chloroform	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Cyclohexane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Benzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Trichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Toluene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
o-Xylene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Styrene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Bromoform	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 79.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	84	U	ug/kg	84	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	410	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	410	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	U	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-22	TIC	270	J	ug/kg	270	J	1.0	YES	NV
.beta.-Sitosterol	TIC	360	NJ	ug/kg	360	NJ	1.0	YES	NV
Unknown-21	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Unknown-20	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-19	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-18	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Unknown-17	TIC	240	J	ug/kg	240	J	1.0	YES	NV
Unknown-16	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-15	TIC	290	J	ug/kg	290	J	1.0	YES	NV
3-Eicosene, (E)-	TIC	400	NJ	ug/kg	400	NJ	1.0	YES	NV
Unknown-14	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Unknown-13	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-12	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-11	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	360	NJ	ug/kg	360	NJ	1.0	YES	NV
6a,12a-Dihydro-6H-(1,3)dioxolo(5,6)benzo	TIC	510	NJ	ug/kg	510	NJ	1.0	YES	NV
Unknown-10	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-09	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-08	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Unknown-07	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
Unknown-06	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-05	TIC	2200	J	ug/kg	2200	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	3700	NJ	ug/kg	3700	NJ	1.0	YES	NV
Unknown-04	TIC	680	J	ug/kg	680	J	1.0	YES	NV
Unknown-03	TIC	2100	J	ug/kg	2100	J	1.0	YES	NV
Unknown Alkane-01	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
6-(2-Formylhydrazino)-N,N'-bis(isopropyl	TIC	440	NJ	ug/kg	440	NJ	1.0	YES	NV
Unknown-01	TIC	670	J	ug/kg	670	J	1.0	YES	NV
Unknown-02	TIC	780	J	ug/kg	780	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT8	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 79.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	2.2	JQ	ug/kg	2.2	J	1.0	YES	S4VEM
Acenaphthylene	Target	0.53	JQ	ug/kg	0.53	J	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	2.8	JQ	ug/kg	2.8	J	1.0	YES	S4VEM
Phenanthrene	Target	4.4		ug/kg	4.4		1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	4.9		ug/kg	4.9		1.0	YES	S4VEM
Pyrene	Target	3.8	JQ	ug/kg	3.8	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.46	JQ	ug/kg	0.46	J	1.0	YES	S4VEM
Chrysene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	2.6	JQ	ug/kg	2.6	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTT8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 78.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Vinyl chloride	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
Bromomethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Acetone	Target	29		ug/kg	29		1.0	YES	S4VEM
Carbon disulfide	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Methyl acetate	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Methylene chloride	Target	8.9	U	ug/kg	2.5	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
2-Butanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Bromochloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chloroform	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Cyclohexane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Benzene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Trichloroethene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Methylcyclohexane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Bromodichloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Toluene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Tetrachloroethene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
2-Hexanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Dibromochloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
Ethylbenzene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
o-Xylene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
m, p-Xylene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Styrene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Bromoform	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Isopropylbenzene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 81.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	U	ug/kg	81	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-01	TIC	510	J	ug/kg	510	J	1.0	YES	NV
Unknown-13	TIC	82	J	ug/kg	82	J	1.0	YES	NV
Unknown-03	TIC	680	J	ug/kg	680	J	1.0	YES	NV
Unknown-04	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-05	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Unknown-06	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown-07	TIC	120	J	ug/kg	120	J	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	95	NJ	ug/kg	95	NJ	1.0	YES	NV
1-Docosene	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV
Unknown-08	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown Alkane-01	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-09	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Cyclopropane, 1-(1,2-dimethylpropyl)-1-m	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
Unknown-10	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-11	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Unknown-12	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-02	TIC	470	J	ug/kg	470	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 81.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.84	JQ	ug/kg	0.84	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.64	JQ	ug/kg	0.64	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.1	U	ug/kg	8.1	U	1.0	YES	S4VEM
Phenanthrene	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluoranthene	Target	1.0	JQ	ug/kg	1.0	J	1.0	YES	S4VEM
Pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Chrysene	Target	0.69	JQ	ug/kg	0.69	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.90	JQ	ug/kg	0.90	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 81.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Chloromethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Vinyl chloride	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
Bromomethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Chloroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Acetone	Target	8.0	JQ	ug/kg	8.0	J	1.0	YES	S4VEM
Carbon disulfide	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Methyl acetate	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Methylene chloride	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
2-Butanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Bromochloromethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Chloroform	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Cyclohexane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Benzene	Target	4.2	JQ	ug/kg	4.2	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Trichloroethene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Methylcyclohexane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Bromodichloromethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Toluene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Tetrachloroethene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
2-Hexanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Dibromochloromethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Chlorobenzene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
Ethylbenzene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
o-Xylene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
m, p-Xylene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Styrene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Bromoform	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
Isopropylbenzene	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	9.1	UJ	ug/kg	9.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 78.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	85	U	ug/kg	85	U	1.0	YES	S4VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Phenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Acetophenone	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
3-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4-Nitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	420	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	420	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Unknown-01	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-15	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-03	TIC	590	J	ug/kg	590	J	1.0	YES	NV
Unknown-04	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-05	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-06	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-07	TIC	100	J	ug/kg	100	J	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	2700	NJ	ug/kg	2700	NJ	1.0	YES	NV
5-Eicosene, (E)-	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
9(1H)-Phenanthrenone, 2,3,4,4a,10,10a-he	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
Unknown-08	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-09	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-10	TIC	130	J	ug/kg	130	J	1.0	YES	NV
9-Octadecene, (E)-	TIC	93	NJ	ug/kg	93	NJ	1.0	YES	NV
Unknown-11	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-12	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-13	TIC	360	J	ug/kg	360	J	1.0	YES	NV
.beta.-Sitosterol	TIC	380	NJ	ug/kg	380	NJ	1.0	YES	NV
Unknown-14	TIC	92	J	ug/kg	92	J	1.0	YES	NV
Unknown-02	TIC	370	J	ug/kg	370	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 78.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.52	JQ	ug/kg	0.52	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Acenaphthene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Fluorene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S4VEM
Phenanthrene	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
Anthracene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Fluoranthene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Pyrene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Chrysene	Target	0.49	JQ	ug/kg	0.49	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.72	JQ	ug/kg	0.72	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 75.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Chloromethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Vinyl chloride	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
Bromomethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Chloroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Acetone	Target	12	JQ	ug/kg	12	J	1.0	YES	S4VEM
Carbon disulfide	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Methyl acetate	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Methylene chloride	Target	8.4	U	ug/kg	2.8	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
2-Butanone	Target	17	U	ug/kg	17	U	1.0	YES	S4VEM
Bromochloromethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Chloroform	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Cyclohexane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Benzene	Target	5.4	JQ	ug/kg	5.4	J	1.0	YES	S4VEM
1,2-Dichloroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Trichloroethene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Methylcyclohexane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Bromodichloromethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	17	U	ug/kg	17	U	1.0	YES	S4VEM
Toluene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Tetrachloroethene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
2-Hexanone	Target	17	U	ug/kg	17	U	1.0	YES	S4VEM
Dibromochloromethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Chlorobenzene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
Ethylbenzene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
o-Xylene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
m, p-Xylene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Styrene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Bromoform	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
Isopropylbenzene	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	8.4	U	ug/kg	8.4	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	8.4	UJ	ug/kg	8.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	U	ug/kg	81	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S4VEM
Unknown-05	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-06	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Cyclopentasiloxane, decamethyl-	TIC	160	NJ	ug/kg	160	NJ	1.0	YES	NV
Unknown-04	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Unknown-02	TIC	790	J	ug/kg	790	J	1.0	YES	NV
Unknown-01	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-03	TIC	160	J	ug/kg	160	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.1	U	ug/kg	8.1	U	1.0	YES	S4VEM
Phenanthrene	Target	0.49	JQ	ug/kg	0.49	J	1.0	YES	S4VEM
Anthracene	Target	0.57	JQ	ug/kg	0.57	J	1.0	YES	S4VEM
Fluoranthene	Target	0.55	JQ	ug/kg	0.55	J	1.0	YES	S4VEM
Pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Chrysene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY4	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Chloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Vinyl chloride	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Bromomethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Chloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Acetone	Target	13	JQ	ug/kg	13	J	1.0	YES	S4VEM
Carbon disulfide	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Methyl acetate	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Methylene chloride	Target	16	U	ug/kg	7.3	JB	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
2-Butanone	Target	31	U	ug/kg	31	U	1.0	YES	S4VEM
Bromochloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Chloroform	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Cyclohexane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Benzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Trichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Methylcyclohexane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Bromodichloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	31	U	ug/kg	31	U	1.0	YES	S4VEM
Toluene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Tetrachloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
2-Hexanone	Target	31	U	ug/kg	31	U	1.0	YES	S4VEM
Dibromochloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Chlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Ethylbenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
o-Xylene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
m, p-Xylene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Styrene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Bromoform	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Isopropylbenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	18	NJB	ug/kg	18	NJB	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK30	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-01	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown-22	TIC	75	J	ug/kg	75	J	1.0	YES	NV
Unknown-03	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-04	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-05	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Unknown-06	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown-07	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-08	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-09	TIC	70	J	ug/kg	70	J	1.0	YES	NV
Unknown-10	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-11	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-12	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-13	TIC	95	J	ug/kg	95	J	1.0	YES	NV
Unknown-14	TIC	98	J	ug/kg	98	J	1.0	YES	NV
Unknown-15	TIC	85	J	ug/kg	85	J	1.0	YES	NV
Unknown-16	TIC	79	J	ug/kg	79	J	1.0	YES	NV
Unknown-17	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Unknown-18	TIC	71	J	ug/kg	71	J	1.0	YES	NV
Unknown-19	TIC	68	J	ug/kg	68	J	1.0	YES	NV
Unknown-20	TIC	71	J	ug/kg	71	J	1.0	YES	NV
Unknown-21	TIC	69	J	ug/kg	69	J	1.0	YES	NV
Unknown-02	TIC	270	J	ug/kg	270	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK54	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK74	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-01	TIC	930	J	ug/kg	930	J	1.0	YES	NV
Unknown-02	TIC	130	J	ug/kg	130	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK80	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKAO	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	2.3	JQ	ug/kg	2.3	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	6.2	J	ug/kg	6.2	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyclotetrasiloxane, octamethyl-	TIC	10	NJ	ug/kg	10	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKDM	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	2.0	JQ	ug/kg	2.0	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKDP	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	9.6	NJ	ug/kg	9.6	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKEP	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	1.5	JQ	ug/kg	1.5	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKFQ	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methyl acetate	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
m, p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	34	JQ	ug/kg	34	J	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	44	JQ	ug/kg	44	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKJJ	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY4** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	6.5	J	ug/kg	6.5	J	1.0	YES	NV

MEMORANDUM

DATE: November 4, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 6 sediment and 13 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for low/medium semivolatile organic compound (SVOC) and SVOC SIM; and two samples were also analyzed for low/medium volatile organic compounds (VOCs) by Pace Analytical Services, LLC, located in West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

JLTW5	JLTW4	JLTW7	JLTW6	JLTW9
JLTW8	JLTX1	JLTX0	JLTQ6	JLTX2
JLTY5	JLTY6	JLTR9	JLTX7	JLTX8
JLTY2	JLTX9	JLTY0	JLTY1	

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services and
Applied Science Division
(LSASD)

October 30, 2020

MEMORANDUM

Subject: Data Validation Report for the Former Western States Plywood Coop Mill, Case #49090, SDG: JLTY5 – Organic Analyses

KARIN FEDDERSEN-LETHE Digitally signed by KARIN FEDDERSEN-LETHE Date: 2020.10.30 12:10:20 -07'00'

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Derek Pulvino, Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of six sediment and thirteen soil samples collected from the above-referenced site, has been completed. All 19 samples were analyzed for semivolatile organic compound (SVOC) and SVOC SIM; and two samples were also analyzed for low/medium volatile organic compound (VOC) by Pace Analytical Services, LLC, located in West Columbia, SC When multiple analyses were conducted for the same sample (i.e., dilution, reanalysis, SIM), the analysis with reportable results has been indicated by the reviewer. Soil sample results are reported on a dry weight basis. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- USEPA Contract Laboratory Program (CLP) Statement of Work for (SOW) Organic Superfund Methods Multi-Media, Multi-Concentration (SOM02.4);
- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (EPA-540-R-2017-002); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment and Region 10 guidance. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

It appears that the lab may have neglected to spike Deuterated Monitoring Compounds (DMC) into the initial extraction of samples JLTY6, JLTQ6, JLTR9, JLTW4, JLTW5, JLTW6, JLTW7, JLTW8, JLTW9, JLTX0, JLTX1, JLTX2, JLTX7, JLTX8, and JLTX9, and the associated blank for SVOC analysis. Re-extractions were performed outside of holding times.

The reanalyses provided similar SVOC results as the original analyses. Therefore, SVOC results for the above samples are qualified as appropriate but are not rejected for low DMC recovery or for analysis outside of holding times.

Please note: Due to low percent solids in some samples, some of the CRQLs exceed the cleanup levels. For example, the clean fill number for 1,1-biphenyl is 520 ug/Kg and the CRQL in sample JLTY1 is 830 ug/Kg (not detected.)

The following tables summarize the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Low/Medium Volatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	Y*	Sample cooler temperature ≤10 °C upon receipt. Frozen or methanol preserved within 48 hours. Soils extracted within 14 days and analyzed within 40 days.
Blanks	N	N	Non-detect or sample > 5X Blank†
Initial Calibration	N	N	Min. RRF: 0.010 to 0.600‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.600‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Y*	Varies by Compound
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic NFG Table 16 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	Y*	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 14 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 5X Blank†
Initial Calibration	Y	N	Min. RRF: 0.010 to 0.500‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	Y	N	Min. RRF: 0.010 to 0.500‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Y*	Varies by Compound Revised advisory limits for 1,4-Dioxane-d8: 15% to 120%
Internal Standards	Y	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Table 30 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic SIM Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within14 days and analyzed within 40 days
Blanks	Y	Y*	Non-detect or sample > 5X Blank
Initial Calibration	N	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	Y	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Y	Varies by Compound
Internal Standards	Y	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
‡Varies by compound. See Organic NFG Table 30 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
JN or NJ	There is evidence that the analyte is present. The associated numerical result is an estimate.
Q	Detected concentration is below the MRL / CRQL but is above the MDL.

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

LOW/MEDIUM VOLATILE ORGANICS ANALYSIS	
Deuterated Monitoring Compound Qualification Summary	
The following samples have DMC recoveries below the lower limit of the criteria window. Detected compounds associated with the DMC are qualified J. Non-detected compounds associated with the DMC are qualified UJ.	
Vinyl Chloride-d3	JLTY5
1,1-Dichloroethene-d2	JLTY5
1,2-Dichlorobenzene-d4	JLTY5
Detection Limit Qualification Summary	
The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.	
Acetone	JLTY5
Toluene	JLTY6
o-Xylene	JLTY6
m, p-Xylene	JLTY6
Isopropylbenzene	JLTY6

Manual/Electronic Data Review Results

SEMIVOLATILE ORGANICS ANALYSIS

Holding Time Qualification Summary

The following samples are outside holding time criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

JLTY6, JLTQ6, JLTR9, JLTW4, JLTW5, JLTW6, JLTW7, JLTW8, JLTW9, JLTX1, JLTX2, JLTX7, JLTX8, JLTX9

Deuterated Monitoring Compound Qualification Summary

The following samples have DMC recoveries below the lower limit of the criteria window. Detected compounds associated with the DMC are qualified J. Non-detected compounds associated with the DMC are qualified UJ.

1,4-Dioxane-d8	JLTW9, JLTX0
2-Chlorophenol-d4	JLTX0
Acenaphthylene-d8	JLTX0
Fluorene-d10	JLTX0
Phenol-d5	JLTX0
bis-(2-chloroethyl)ether-d8	JLTX0
4-Methylphenol-d8	JLTX0
4-Chloroaniline-d4	JLTX0
Nitrobenzene-d5	JLTX0
2-Nitrophenol-d4	JLTX0
2,4-Dichlorophenol-d3	JLTX0
Dimethylphthalate-d6	JLTX0
4-Nitrophenol-d4	JLTX0
4,6-Dinitro-2-methylphenol-d2	JLTX0
Anthracene-d10	JLTX0
Pyrene-d10	JLTX0
Benzo(a)pyrene-d12	JLTX0

Detection Limit Qualification Summary

The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.

bis(2-Ethylhexyl)phthalate	JLTY0

SEMIVOLATILE SIM ORGANICS ANALYSIS

Blank Qualification Summary

The following samples have analyte results reported less than the CRQL and the associated analytes in the Method Blank results were less than the CRQL. Detects are qualified U. Sample results have been reported at the CRQL.

Manual/Electronic Data Review Results

Anthracene	JLTR9, JLTW4, JLTW7, JLTW9, JLTX0, JLTX1, JLTX2, JLTX9, JLTY6
Deuterated Monitoring Compound Qualification Summary	
The following samples have DMC recoveries above the upper limit of the criteria window. Detected compounds associated with the DMC are qualified J. Non-detected compounds associated with the DMC are not qualified.	
Fluoranthene-d10	JLTQ6, JLTR9, JLTW8, JLTW9, JLTX0, JLTX1, JLTY0, JLTY6
Detection Limit Qualification Summary	
The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.	
Naphthalene	JLTQ6, JLTR9, JLTW8, JLTX0, JLTX1
2-Methylnaphthalene	JLTQ6, JLTR9, JLTW6, JLTW7, JLTW8, JLTX0, JLTX1, JLTX8
Acenaphthylene	JLTQ6, JLTY5, JLTY6
Acenaphthene	JLTQ6, JLTY5, JLTY6
Fluorene	JLTQ6
Pentachlorophenol	JLTY5
Phenanthrene	JLTW4, JLTW9, JLTX1, JLTX2, JLTX7, JLTX8, JLTX9, JLTY0, JLTY1, JLTY2
Fluoranthene	JLTW4, JLTW6, JLTW7, JLTW8, JLTW9, JLTX7, JLTX8, JLTX9, JLTY1
Pyrene	JLTW6, JLTW7, JLTW8, JLTW9, JLTX2, JLTX8, JLTX9
Benzo(a)anthracene	JLTR9, JLTW6, JLTW7, JLTW8, JLTY5
Chrysene	JLTW7, JLTX2, JLTX7, JLTX8, JLTX9, JLTY2
Benzo(b)fluoranthene	JLTW4, JLTW6, JLTW7, JLTW8, JLTW9, JLTX1, JLTX2, JLTX8, JLTX9, JLTY0, JLTY2
Benzo(k)fluoranthene	JLTX8, JLTX9, JLTY0, JLTY1, JLTY2, JLTY5
Benzo(a)pyrene	JLTQ6, JLTR9, JLTW6, JLTX0, JLTX1
Indeno(1,2,3-cd)pyrene	JLTR9, JLTY5
Benzo(g,h,i)perylene	JLTQ6, JLTR9, JLTY5

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY5

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007588

Organization: EPA Region 10

SOW: SOM02.4

Method - Volatile Organics

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTY5	FS	Soil	Low	09/11/2020 13:25:00	09/16/2020 11:34:00			Purge_and_Trap	09/21/2020 17:59:00	Initial	09/21/2020 17:59:00	DB-624	Agilent__MSD5
JLTY6	FS	Soil	Medium	09/11/2020 13:45:00	09/16/2020 11:34:00			Purge_and_Trap	09/23/2020 18:35:00	Initial	09/23/2020 18:35:00	DB-624	Agilent__MSD5

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY5

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007588

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTW5	FS	Soil	Low	09/10/2020 12:59:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 15:45:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 01:30:00	Zebron ZB-SV	Agilent__MSD12
JLTW4	FS	Soil	Low	09/10/2020 13:06:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 15:16:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 01:01:00	Zebron ZB-SV	Agilent__MSD12
JLTW7	FS	Soil	Low	09/10/2020 14:07:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 16:42:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 02:27:00	Zebron ZB-SV	Agilent__MSD12
JLTW6	FS	Soil	Low	09/10/2020 14:15:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/06/2020 13:13:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 16:14:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 01:58:00	Zebron ZB-SV	Agilent__MSD12
JLTW9	FS	Soil	Low	09/10/2020 14:41:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 17:40:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 03:24:00	Zebron ZB-SV	Agilent__MSD12
JLTW8	FS	Soil	Low	09/10/2020 14:53:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 02:55:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 17:11:00	Zebron ZB-SV	Agilent__MSD12
JLTX1	FS	Soil	Low	09/10/2020 15:18:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 04:21:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 18:38:00	Zebron ZB-SV	Agilent__MSD12
JLTX0	FS	Soil	Low	09/10/2020 15:29:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/06/2020 13:42:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 03:52:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY5

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007588

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTQ6	FS	Soil	Low	09/10/2020 16:24:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 00:04:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 14:19:00	Zebron ZB-SV	Agilent__MSD12
JLTX2	FS	Soil	Low	09/10/2020 17:21:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 19:07:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 04:49:00	Zebron ZB-SV	Agilent__MSD12
JLTY5	FS	Soil	Low	09/11/2020 13:25:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	09/29/2020 23:07:00	Zebron ZB-SV	Agilent__MSD12
JLTY6	FS	Soil	Low	09/11/2020 13:45:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/29/2020 23:36:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 13:51:00	Zebron ZB-SV	Agilent__MSD12
JLTR9	FS	Soil	Low	09/11/2020 15:03:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 14:48:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 00:33:00	Zebron ZB-SV	Agilent__MSD12
JLTX7	FS	Soil	Low	09/12/2020 09:06:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 05:18:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 19:35:00	Zebron ZB-SV	Agilent__MSD12
JLTX8	FS	Soil	Low	09/12/2020 09:40:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 05:46:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 20:04:00	Zebron ZB-SV	Agilent__MSD12
JLTY2	FS	Soil	Low	09/12/2020 11:48:00	09/17/2020 11:25:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 07:39:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 21:57:00	Zebron ZB-SV	Agilent__MSD12
JLTX9	FS	Soil	Low	09/12/2020 13:13:00	09/17/2020 11:25:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 20:32:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/19/2020 12:53:00	Initial	09/30/2020 06:14:00	Zebron ZB-SV	Agilent__MSD12
JLTY0	FS	Soil	Low	09/12/2020 13:28:00	09/17/2020 11:25:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 06:43:00	Zebron ZB-SV	Agilent__MSD12
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 21:01:00	Zebron ZB-SV	Agilent__MSD12
JLTY1	FS	Soil	Low	09/12/2020 13:38:00	09/17/2020 11:25:00			Sonication	09/19/2020 12:53:00	Initial	09/30/2020 07:11:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY5

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007588

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/05/2020 21:29:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Submission Group Id: 32007588 | **Organization: EPA Region 10** | **SOW: SOM02.4**

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTW5	FS	Soil	Low	09/10/2020 12:59:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 20:32:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 12:29:00	Zebron ZB-SV	Agilent__MSD4
JLTW4	FS	Soil	Low	09/10/2020 13:06:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 12:02:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 20:05:00	Zebron ZB-SV	Agilent__MSD4
JLTW7	FS	Soil	Low	09/10/2020 14:07:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 13:23:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 21:25:00	Zebron ZB-SV	Agilent__MSD4
JLTW6	FS	Soil	Low	09/10/2020 14:15:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 12:56:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 20:58:00	Zebron ZB-SV	Agilent__MSD4
JLTW9	FS	Soil	Low	09/10/2020 14:41:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 14:16:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 14:57:00	Zebron ZB-SV	Agilent__MSD4
JLTW8	FS	Soil	Low	09/10/2020 14:53:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 13:49:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 14:31:00	Zebron ZB-SV	Agilent__MSD4
JLTX1	FS	Soil	Low	09/10/2020 15:18:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 10:30:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 15:10:00	Zebron ZB-SV	Agilent__MSD4
JLTX0	FS	Soil	Low	09/10/2020 15:29:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 15:51:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 14:04:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 14:43:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Submission Group Id: 32007588 | **Organization: EPA Region 10** | **SOW: SOM02.4**

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTQ6	FS	Soil	Low	09/10/2020 16:24:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 11:09:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 19:11:00	Zebron ZB-SV	Agilent__MSD4
JLTX2	FS	Soil	Low	09/10/2020 17:21:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 15:37:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 10:57:00	Zebron ZB-SV	Agilent__MSD4
JLTY5	FS	Soil	Low	09/11/2020 13:25:00	09/16/2020 11:34:00			Sonication	09/18/2020 16:55:00	Initial	10/06/2020 13:48:00	Zebron ZB-SV	Agilent__MSD4
JLTY6	FS	Soil	Low	09/11/2020 13:45:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 15:24:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 10:42:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 18:45:00	Zebron ZB-SV	Agilent__MSD4
JLTR9	FS	Soil	Low	09/11/2020 15:03:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 11:36:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/07/2020 19:38:00	Zebron ZB-SV	Agilent__MSD4
JLTX7	FS	Soil	Low	09/12/2020 09:06:00	09/16/2020 11:34:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 16:04:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 11:23:00	Zebron ZB-SV	Agilent__MSD4
JLTX8	FS	Soil	Low	09/12/2020 09:40:00	09/16/2020 11:34:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 11:50:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 16:31:00	Zebron ZB-SV	Agilent__MSD4
JLTY2	FS	Soil	Low	09/12/2020 11:48:00	09/17/2020 11:25:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 18:18:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 13:37:00	Zebron ZB-SV	Agilent__MSD4
JLTX9	FS	Soil	Low	09/12/2020 13:13:00	09/17/2020 11:25:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 12:17:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 16:57:00	Zebron ZB-SV	Agilent__MSD4
JLTY0	FS	Soil	Low	09/12/2020 13:28:00	09/17/2020 11:25:00			Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 12:44:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/19/2020 12:53:00	Initial	10/07/2020 17:24:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:05:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTY5

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007588

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTY1	FS	Soil	Low	09/12/2020 13:38:00	09/17/2020 11:25:00			Sonication	09/19/2020 12:53:00	Initial	10/07/2020 17:51:00	Zebron ZB-SV	Agilent__MSD4
								Sonication	09/30/2020 17:49:00	Reanalysis-01	10/08/2020 13:10:00	Zebron ZB-SV	Agilent__MSD4

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL04TP01	pH:	Sample Date: 09/10/2020	Sample Time: 16:24:00
% Moisture:		% Solids: 90.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	74	UJ	ug/kg	74	U	1.0	YES	S4VEM
Benzaldehyde	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Phenol	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
2-Chlorophenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2-Methylphenol	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Acetophenone	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Hexachloroethane	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Nitrobenzene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Isophorone	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2-Nitrophenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Naphthalene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
4-Chloroaniline	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Caprolactam	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2-Nitroaniline	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Dimethylphthalate	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Acenaphthylene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
3-Nitroaniline	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Acenaphthene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
4-Nitrophenol	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Dibenzofuran	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Diethylphthalate	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Fluorene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
4-Nitroaniline	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Atrazine	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Pentachlorophenol	Target	360	R	ug/kg	360	U	1.0	YES	S4VEM
Phenanthrene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Anthracene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Carbazole	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	360	R	ug/kg	360	U	1.0	YES	S4VEM
Pyrene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Chrysene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	360	UJ	ug/kg	360	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	190	R	ug/kg	190	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	190	UJ	ug/kg	190	U	1.0	YES	S4VEM
Retene	TIC	230	NJ	ug/kg	230	NJ	1.0	YES	NV
Behenic alcohol	TIC	3700	NJ	ug/kg	3700	NJ	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	1500	NJ	ug/kg	1500	NJ	1.0	YES	NV
Unknown-07	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-18	TIC	1400	J	ug/kg	1400	J	1.0	YES	NV
Docosanoic acid	TIC	380	NJ	ug/kg	380	NJ	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
16-Heptadecenal	TIC	190	NJ	ug/kg	190	NJ	1.0	YES	NV
Unknown-06	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-12	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-13	TIC	310	J	ug/kg	310	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	2500	NJ	ug/kg	2500	NJ	1.0	YES	NV
Stigmast-4-en-3-one	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV
Tetracosanoic acid	TIC	470	NJ	ug/kg	470	NJ	1.0	YES	NV
Unknown-08	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-09	TIC	610	J	ug/kg	610	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
Unknown-11	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-14	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-17	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Bromoacetic acid, octadecyl ester	TIC	150	NJ	ug/kg	150	NJ	1.0	YES	NV
Unknown-01	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Unknown-04	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-15	TIC	400	J	ug/kg	400	J	1.0	YES	NV
17-Pentatriacontene	TIC	540	NJ	ug/kg	540	NJ	1.0	YES	NV
Sulfurous acid, butyl nonyl ester	TIC	160	NJ	ug/kg	160	NJ	1.0	YES	NV
Tetracosanoic acid, methyl ester	TIC	540	NJ	ug/kg	540	NJ	1.0	YES	NV
Unknown-03	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-02	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Docosanoic acid, methyl ester	TIC	170	NJ	ug/kg	170	NJ	1.0	YES	NV
.beta.-Sitosterol	TIC	2800	NJ	ug/kg	2800	NJ	1.0	YES	NV
Unknown-16	TIC	430	J	ug/kg	430	J	1.0	YES	NV
Campesterol	TIC	440	NJ	ug/kg	440	NJ	1.0	YES	NV
Unknown-10	TIC	220	J	ug/kg	220	J	1.0	YES	NV
13-Octadecenal	TIC	350	NJ	ug/kg	350	NJ	1.0	YES	NV
Unknown-05	TIC	170	J	ug/kg	170	J	1.0	YES	NV
1-Docosene	TIC	4200	NJ	ug/kg	4200	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTQ6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL04TP01	pH:	Sample Date: 09/10/2020	Sample Time: 16:24:00
% Moisture:		% Solids: 90.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.1	JQ	ug/kg	3.1	J	1.0	YES	S4VEM
Acenaphthylene	Target	1.0	JQ	ug/kg	1.0	J	1.0	YES	S4VEM
Acenaphthene	Target	0.48	JQ	ug/kg	0.48	J	1.0	YES	S4VEM
Fluorene	Target	0.89	JQ	ug/kg	0.89	J	1.0	YES	S4VEM
Pentachlorophenol	Target	7.4	U	ug/kg	7.4	U	1.0	YES	S4VEM
Phenanthrene	Target	23		ug/kg	23		1.0	YES	S4VEM
Anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Fluoranthene	Target	6.6	J	ug/kg	6.6		1.0	YES	S4VEM
Pyrene	Target	5.7	J	ug/kg	5.7		1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Chrysene	Target	3.6	J	ug/kg	3.6		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	J	ug/kg	5.2		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.53	JQ	ug/kg	0.53	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.6	U	ug/kg	3.6	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: OP02TP01	pH:	Sample Date: 09/11/2020	Sample Time: 15:03:00
% Moisture:		% Solids: 82.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	UJ	ug/kg	81	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target	400	R	ug/kg	400	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	35	J	1.0	YES	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	400	R	ug/kg	400	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	27	J	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Unknown-23	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-20	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Unknown-15	TIC	96	J	ug/kg	96	J	1.0	YES	NV
5-Tetradecene, (E)-	TIC	590	NJ	ug/kg	590	NJ	1.0	YES	NV
Unknown-05	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-14	TIC	2100	J	ug/kg	2100	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-10	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-03	TIC	580	J	ug/kg	580	J	1.0	YES	NV
Unknown-04	TIC	310	J	ug/kg	310	J	1.0	YES	NV
n-Hexadecanoic acid	TIC	230	NJ	ug/kg	230	NJ	1.0	YES	NV
Unknown-11	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Unknown-17	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-01	TIC	560	J	ug/kg	560	J	1.0	YES	NV
Unknown-07	TIC	81	J	ug/kg	81	J	1.0	YES	NV
Unknown-13	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Unknown-18	TIC	85	J	ug/kg	85	J	1.0	YES	NV
Unknown-21	TIC	210	J	ug/kg	210	J	1.0	YES	NV
Unknown-08	TIC	93	J	ug/kg	93	J	1.0	YES	NV
Unknown-16	TIC	97	J	ug/kg	97	J	1.0	YES	NV
Unknown-19	TIC	150	J	ug/kg	150	J	1.0	YES	NV
n-Tetracosanol-1	TIC	160	NJ	ug/kg	160	NJ	1.0	YES	NV
Unknown-22	TIC	92	J	ug/kg	92	J	1.0	YES	NV
Unknown-09	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-06	TIC	96	J	ug/kg	96	J	1.0	YES	NV
Unknown-02	TIC	510	J	ug/kg	510	J	1.0	YES	NV
Unknown-12	TIC	98	J	ug/kg	98	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTR9	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: OP02TP01	pH:	Sample Date: 09/11/2020	Sample Time: 15:03:00
% Moisture:		% Solids: 82.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.6	JQ	ug/kg	2.6	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	1.2	JQ	ug/kg	1.2	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.0	U	ug/kg	8.0	U	1.0	YES	S4VEM
Phenanthrene	Target	14		ug/kg	14		1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	0.78	JB	1.0	YES	S4VEM
Fluoranthene	Target	8.8	J	ug/kg	8.8		1.0	YES	S4VEM
Pyrene	Target	7.5	J	ug/kg	7.5		1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.5	JQ	ug/kg	3.5	J	1.0	YES	S4VEM
Chrysene	Target	9.5	J	ug/kg	9.5		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	7.8	J	ug/kg	7.8		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	2.1	JQ	ug/kg	2.1	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW4	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL23TP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:06:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	89	UJ	ug/kg	89	U	1.0	YES	S4VEM
Benzaldehyde	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Phenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
2-Chlorophenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2-Methylphenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Acetophenone	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Hexachloroethane	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Nitrobenzene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Isophorone	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2-Nitrophenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Naphthalene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
4-Chloroaniline	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Caprolactam	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2-Nitroaniline	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Dimethylphthalate	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Acenaphthylene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
3-Nitroaniline	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Acenaphthene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
4-Nitrophenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Dibenzofuran	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Diethylphthalate	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Fluorene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
4-Nitroaniline	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Atrazine	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Pentachlorophenol	Target	440	R	ug/kg	440	U	1.0	YES	S4VEM
Phenanthrene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Anthracene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Carbazole	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	440	R	ug/kg	440	U	1.0	YES	S4VEM
Pyrene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Chrysene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	440	UJ	ug/kg	440	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	230	R	ug/kg	230	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	230	UJ	ug/kg	230	U	1.0	YES	S4VEM
Unknown-12	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
Unknown-04	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-06	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Benzaldehyde, 4-bromo-, oxime, (E)-	TIC	140	NJ	ug/kg	140	NJ	1.0	YES	NV
Unknown-11	TIC	470	J	ug/kg	470	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	4800	NJ	ug/kg	4800	NJ	1.0	YES	NV
Unknown-16	TIC	370	J	ug/kg	370	J	1.0	YES	NV
.beta.-Sitosterol	TIC	240	NJ	ug/kg	240	NJ	1.0	YES	NV
Unknown-02	TIC	630	J	ug/kg	630	J	1.0	YES	NV
Unknown-03	TIC	730	J	ug/kg	730	J	1.0	YES	NV
Cyclopentasiloxane, decamethyl-	TIC	280	NJB	ug/kg	280	NJB	1.0	YES	NV
Longifolene	TIC	100	NJ	ug/kg	100	NJ	1.0	YES	NV
Unknown-17	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-08	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-09	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-10	TIC	690	J	ug/kg	690	J	1.0	YES	NV
Unknown-01	TIC	660	J	ug/kg	660	J	1.0	YES	NV
Unknown-13	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-14	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-15	TIC	89	J	ug/kg	89	J	1.0	YES	NV
Unknown-18	TIC	95	J	ug/kg	95	J	1.0	YES	NV
Unknown-07	TIC	260	J	ug/kg	260	J	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
3-Hexene-2,5-dione	TIC	470	NJ	ug/kg	470	NJ	1.0	YES	NV
n-Tetracosanol-1	TIC	93	NJ	ug/kg	93	NJ	1.0	YES	NV
Unknown-05	TIC	500	J	ug/kg	500	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW4	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL23TP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:06:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Acenaphthene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Fluorene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Phenanthrene	Target	0.57	JQ	ug/kg	0.57	J	1.0	YES	S4VEM
Anthracene	Target	4.4	U	ug/kg	0.69	JB	1.0	YES	S4VEM
Fluoranthene	Target	0.62	JQ	ug/kg	0.62	J	1.0	YES	S4VEM
Pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Chrysene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.63	JQ	ug/kg	0.63	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL23TP02	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 81.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	83	UJ	ug/kg	83	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target	410	R	ug/kg	410	U	1.0	YES	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	410	R	ug/kg	410	U	1.0	YES	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Unknown-01	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-08	TIC	440	J	ug/kg	440	J	1.0	YES	NV
Unknown-03	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-09	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-12	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-13	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-07	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Unknown-02	TIC	220	J	ug/kg	220	J	1.0	YES	NV
Unknown-05	TIC	680	J	ug/kg	680	J	1.0	YES	NV
Unknown-14	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-15	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-10	TIC	86	J	ug/kg	86	J	1.0	YES	NV
Unknown-06	TIC	84	J	ug/kg	84	J	1.0	YES	NV
Unknown-11	TIC	680	J	ug/kg	680	J	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	310	NJ	ug/kg	310	NJ	1.0	YES	NV
Unknown-04	TIC	84	J	ug/kg	84	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL23TP02	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 81.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.3	U	ug/kg	8.3	U	1.0	YES	S4VEM
Phenanthrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL24TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:15:00
% Moisture:		% Solids: 79.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	84	UJ	ug/kg	84	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target	410	R	ug/kg	410	U	1.0	YES	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	410	R	ug/kg	410	U	1.0	YES	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5200	J	ug/kg	5200	D	2.0	YES	S4VEM
Di-n-octylphthalate	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1-Heptacosanol	TIC	5800	NJ	ug/kg	5800	NJ	1.0	YES	NV
Tetracosanoic acid, methyl ester	TIC	520	NJ	ug/kg	520	NJ	1.0	YES	NV
Unknown-13	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Unknown-15	TIC	630	J	ug/kg	630	J	1.0	YES	NV
Bromoacetic acid, octadecyl ester	TIC	340	NJ	ug/kg	340	NJ	1.0	YES	NV
Tetracosanal	TIC	450	NJ	ug/kg	450	NJ	1.0	YES	NV
Unknown-02	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown-03	TIC	410	J	ug/kg	410	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Behenic alcohol	TIC	8200	NJ	ug/kg	8200	NJ	1.0	YES	NV
Tetracosanoic acid	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-08	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-09	TIC	590	J	ug/kg	590	J	1.0	YES	NV
.beta.-Sitosterol	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
Oxalic acid, isobutyl tetradecyl ester	TIC	310	NJ	ug/kg	310	NJ	1.0	YES	NV
Unknown-06	TIC	350	J	ug/kg	350	J	1.0	YES	NV
Unknown-14	TIC	290	J	ug/kg	290	J	1.0	YES	NV
1-Heneicosyl formate	TIC	790	NJ	ug/kg	790	NJ	1.0	YES	NV
Unknown-16	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
5-Octadecene, (E)-	TIC	5300	NJ	ug/kg	5300	NJ	1.0	YES	NV
Docosanoic acid	TIC	600	NJ	ug/kg	600	NJ	1.0	YES	NV
Unknown-10	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	650	NJ	ug/kg	650	NJ	1.0	YES	NV
Unknown-01	TIC	590	J	ug/kg	590	J	1.0	YES	NV
Unknown-05	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	840	NJ	ug/kg	840	NJ	1.0	YES	NV
Unknown-07	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-17	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Cholesterol	TIC	630	NJ	ug/kg	630	NJ	1.0	YES	NV
Unknown-11	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-12	TIC	280	J	ug/kg	280	J	1.0	YES	NV
15-Octadecenal	TIC	650	NJ	ug/kg	650	NJ	1.0	YES	NV
Unknown-04	TIC	230	J	ug/kg	230	J	1.0	YES	NV
Octadecanal	TIC	330	NJ D	ug/kg	330	NJ D	2.0	YES	NV
9,19-Cyclocholestan-3-ol, 14-methyl-, (3	TIC	230	NJ D	ug/kg	230	NJ D	2.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL24TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:15:00
% Moisture:		% Solids: 79.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.77	JQ	ug/kg	0.77	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S4VEM
Phenanthrene	Target	7.1		ug/kg	7.1		1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluoranthene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Pyrene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.5	JQ	ug/kg	3.5	J	1.0	YES	S4VEM
Chrysene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.1	JQ	ug/kg	3.1	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.47	JQ	ug/kg	0.47	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL24TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:07:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	87	UJ	ug/kg	87	U	1.0	YES	S4VEM
Benzaldehyde	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Phenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Acetophenone	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
4-Chloroaniline	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
3-Nitroaniline	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Acenaphthene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
4-Nitrophenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Pentachlorophenol	Target	430	R	ug/kg	430	U	1.0	YES	S4VEM
Phenanthrene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Anthracene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Carbazole	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	430	R	ug/kg	430	U	1.0	YES	S4VEM
Pyrene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Chrysene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	430	UJ	ug/kg	430	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	220	R	ug/kg	220	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	UJ	ug/kg	220	U	1.0	YES	S4VEM
.gamma.-Muurolene	TIC	200	NJ	ug/kg	200	NJ	1.0	YES	NV
Unknown-04	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	380	NJ	ug/kg	380	NJ	1.0	YES	NV
Tetradecanal	TIC	100	NJ	ug/kg	100	NJ	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	570	NJ	ug/kg	570	NJ	1.0	YES	NV
18-Norabietane	TIC	150	NJ	ug/kg	150	NJ	1.0	YES	NV
Unknown-06	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-07	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-10	TIC	140	J	ug/kg	140	J	1.0	YES	NV
Unknown-15	TIC	210	J	ug/kg	210	J	1.0	YES	NV
1-Heneicosyl formate	TIC	4600	NJ	ug/kg	4600	NJ	1.0	YES	NV
1-Docosene	TIC	3100	NJ	ug/kg	3100	NJ	1.0	YES	NV
Tetracosanoic acid	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
Unknown-09	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-11	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Docosanoic acid	TIC	920	NJ	ug/kg	920	NJ	1.0	YES	NV
Unknown-02	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown-03	TIC	590	J	ug/kg	590	J	1.0	YES	NV
Unknown-12	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Unknown-13	TIC	91	J	ug/kg	91	J	1.0	YES	NV
1-Hexacosanol	TIC	4600	NJ	ug/kg	4600	NJ	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	140	NJ	ug/kg	140	NJ	1.0	YES	NV
Oxalic acid, isobutyl pentadecyl ester	TIC	160	NJ	ug/kg	160	NJ	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
13-Octadecenal	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV
Ethyl tetracosanoate	TIC	340	NJ	ug/kg	340	NJ	1.0	YES	NV
Stigmast-4-en-3-one	TIC	880	NJ	ug/kg	880	NJ	1.0	YES	NV
Unknown-01	TIC	690	J	ug/kg	690	J	1.0	YES	NV
Unknown-14	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-05	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Retene	TIC	110	NJ	ug/kg	110	NJ	1.0	YES	NV
1-Heneicosanol	TIC	3500	NJ	ug/kg	3500	NJ	1.0	YES	NV
Unknown-08	TIC	96	J	ug/kg	96	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW7	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL24TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:07:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.55	JQ	ug/kg	0.55	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Acenaphthene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Fluorene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.6	U	ug/kg	8.6	U	1.0	YES	S4VEM
Phenanthrene	Target	4.3		ug/kg	4.3		1.0	YES	S4VEM
Anthracene	Target	4.3	U	ug/kg	0.66	JB	1.0	YES	S4VEM
Fluoranthene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Pyrene	Target	2.0	JQ	ug/kg	2.0	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.72	JQ	ug/kg	0.72	J	1.0	YES	S4VEM
Chrysene	Target	1.4	JQ	ug/kg	1.4	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL25TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:53:00
% Moisture:		% Solids: 85.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	78	UJ	ug/kg	78	U	1.0	YES	S4VEM
Benzaldehyde	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Phenol	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
2-Chlorophenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2-Methylphenol	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Acetophenone	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Hexachloroethane	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Nitrobenzene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Isophorone	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2-Nitrophenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Naphthalene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
4-Chloroaniline	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Caprolactam	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Dimethylphthalate	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Acenaphthylene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
3-Nitroaniline	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Acenaphthene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
4-Nitrophenol	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Dibenzofuran	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Diethylphthalate	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Fluorene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
4-Nitroaniline	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Atrazine	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Pentachlorophenol	Target	380	R	ug/kg	380	U	1.0	YES	S4VEM
Phenanthrene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Anthracene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Carbazole	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	380	R	ug/kg	380	U	1.0	YES	S4VEM
Pyrene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Chrysene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	380	UJ	ug/kg	380	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	200	R	ug/kg	200	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	200	UJ	ug/kg	200	U	1.0	YES	S4VEM
Tetracosanoic acid, methyl ester	TIC	150	NJ	ug/kg	150	NJ	1.0	YES	NV
Unknown-03	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Octadecanal	TIC	320	NJ	ug/kg	320	NJ	1.0	YES	NV
3-Dodecyne	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-13	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Tetracosanoic acid	TIC	2900	NJ	ug/kg	2900	NJ	1.0	YES	NV
Unknown-09	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-11	TIC	870	J	ug/kg	870	J	1.0	YES	NV
Unknown-16	TIC	850	J	ug/kg	850	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
Unknown-10	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Behenic alcohol	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
Unknown-02	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-04	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown Alkane-01	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-07	TIC	110	J	ug/kg	110	J	1.0	YES	NV
.beta.-Sitosterol	TIC	7300	NJ	ug/kg	7300	NJ	1.0	YES	NV
Unknown-15	TIC	890	J	ug/kg	890	J	1.0	YES	NV
Unknown-01	TIC	200	J	ug/kg	200	J	1.0	YES	NV
3-Hexene-2,5-dione	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Campesterol	TIC	960	NJ	ug/kg	960	NJ	1.0	YES	NV
Unknown-05	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-06	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-14	TIC	960	J	ug/kg	960	J	1.0	YES	NV
Docosanoic acid	TIC	7600	NJ	ug/kg	7600	NJ	1.0	YES	NV
Curan-17-oic acid, 2,16-didehydro-20-hyd	TIC	900	NJ	ug/kg	900	NJ	1.0	YES	NV
Oxalic acid, isobutyl tetradecyl ester	TIC	900	NJ	ug/kg	900	NJ	1.0	YES	NV
Unknown-08	TIC	420	J	ug/kg	420	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	210	NJ	ug/kg	210	NJ	1.0	YES	NV
Unknown-12	TIC	830	J	ug/kg	830	J	1.0	YES	NV
5-Cholestene-3-ol, 24-methyl-	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Stigmast-4-en-3-one	TIC	4900	NJ	ug/kg	4900	NJ	1.0	YES	NV
18-Norabietane	TIC	800	NJ	ug/kg	800	NJ	1.0	YES	NV
1-Hexacosanol	TIC	100	NJ	ug/kg	100	NJ	1.0	YES	NV
.gamma.-Sitosterol	TIC	8300	NJ	ug/kg	8300	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW8	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL25TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:53:00
% Moisture:		% Solids: 85.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.97	JQ	ug/kg	0.97	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.80	JQ	ug/kg	0.80	J	1.0	YES	S4VEM
Acenaphthylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Acenaphthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluorene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Pentachlorophenol	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S4VEM
Phenanthrene	Target	5.1		ug/kg	5.1		1.0	YES	S4VEM
Anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Fluoranthene	Target	2.1	JQ	ug/kg	2.1	J	1.0	YES	S4VEM
Pyrene	Target	1.4	JQ	ug/kg	1.4	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	2.8	JQ	ug/kg	2.8	J	1.0	YES	S4VEM
Chrysene	Target	3.9	J	ug/kg	3.9		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL25TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:41:00
% Moisture:		% Solids: 51.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	UJ	ug/kg	130	U	1.0	YES	S4VEM
Benzaldehyde	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Phenol	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
2-Chlorophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2-Methylphenol	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Acetophenone	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Hexachloroethane	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Nitrobenzene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Isophorone	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2-Nitrophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Naphthalene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
4-Chloroaniline	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Caprolactam	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2-Nitroaniline	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Dimethylphthalate	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthylene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
3-Nitroaniline	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Acenaphthene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
4-Nitrophenol	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Dibenzofuran	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Diethylphthalate	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Fluorene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
4-Nitroaniline	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Atrazine	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Pentachlorophenol	Target	640	R	ug/kg	640	U	1.0	YES	S4VEM
Phenanthrene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Anthracene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Carbazole	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	640	R	ug/kg	640	U	1.0	YES	S4VEM
Pyrene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Chrysene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	640	UJ	ug/kg	640	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	330	R	ug/kg	330	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Unknown-01	TIC	920	J	ug/kg	920	J	1.0	YES	NV
6-(2-Formylhydrazino)-N,N'-bis(isopropyl	TIC	4100	NJ	ug/kg	4100	NJ	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
Unknown-06	TIC	740	J	ug/kg	740	J	1.0	YES	NV
Docosanoic acid	TIC	3200	NJ	ug/kg	3200	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	4300	J	ug/kg	4300	J	1.0	YES	NV
Unknown-09	TIC	660	J	ug/kg	660	J	1.0	YES	NV
17-(1,5-Dimethylhexyl)-10,13-dimethyl-4-	TIC	3900	NJ	ug/kg	3900	NJ	1.0	YES	NV
Unknown-05	TIC	720	J	ug/kg	720	J	1.0	YES	NV
18-Norabietane	TIC	2900	NJ	ug/kg	2900	NJ	1.0	YES	NV
Ethyl tetracosanoate	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
9,19-Cycloergost-24(28)-en-3-ol, 4,14-di	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
9,19-Cyclolanost-25-en-3-ol, 24-methyl-,	TIC	540	NJ	ug/kg	540	NJ	1.0	YES	NV
Unknown-03	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-07	TIC	680	J	ug/kg	680	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	4700	NJ	ug/kg	4700	NJ	1.0	YES	NV
Stigmast-4-en-3-one	TIC	4600	NJ	ug/kg	4600	NJ	1.0	YES	NV
Tetracosanoic acid	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
Unknown-02	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
Unknown-13	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
Unknown-04	TIC	950	J	ug/kg	950	J	1.0	YES	NV
1-Docosene	TIC	5900	NJ	ug/kg	5900	NJ	1.0	YES	NV
Unknown-08	TIC	850	J	ug/kg	850	J	1.0	YES	NV
Unknown-10	TIC	720	J	ug/kg	720	J	1.0	YES	NV
Unknown-11	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Ergostanol	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Behenic alcohol	TIC	7700	NJ	ug/kg	7700	NJ	1.0	YES	NV
Docosanoic acid, methyl ester	TIC	1600	NJ	ug/kg	1600	NJ	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	2200	NJ	ug/kg	2200	NJ	1.0	YES	NV
9,19-Cyclolanost-24-en-3-ol, (3.beta.)-	TIC	2300	NJ	ug/kg	2300	NJ	1.0	YES	NV
Retene	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown Alkane-02	TIC	590	J	ug/kg	590	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	7400	NJ	ug/kg	7400	NJ	1.0	YES	NV
Campesterol	TIC	830	NJ	ug/kg	830	NJ	1.0	YES	NV
Unknown-12	TIC	710	J	ug/kg	710	J	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	1400	NJ	ug/kg	1400	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTW9	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL25TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:41:00
% Moisture:		% Solids: 51.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Acenaphthene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Fluorene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Phenanthrene	Target	3.8	JQ	ug/kg	3.8	J	1.0	YES	S4VEM
Anthracene	Target	6.3	U	ug/kg	1.6	JB	1.0	YES	S4VEM
Fluoranthene	Target	4.2	JQ	ug/kg	4.2	J	1.0	YES	S4VEM
Pyrene	Target	2.2	JQ	ug/kg	2.2	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Chrysene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.95	JQ	ug/kg	0.95	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL26TP01	pH:	Sample Date: 09/10/2020	Sample Time: 15:29:00
% Moisture:		% Solids: 81.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	UJ	ug/kg	81	U	1.0	YES	S4VEM
Benzaldehyde	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Phenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Acetophenone	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
4-Nitrophenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	400	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	400	UJ	ug/kg	400	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
n-Nonadecanol-1	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV
Unknown-08	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Ethyl tetracosanoate	TIC	220	NJ	ug/kg	220	NJ	1.0	YES	NV
Unknown Alkane-02	TIC	990	J	ug/kg	990	J	1.0	YES	NV
Tetracosanoic acid	TIC	150	NJ	ug/kg	150	NJ	1.0	YES	NV
Campesterol	TIC	2300	NJ	ug/kg	2300	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	1200	J	ug/kg	1200	J	1.0	YES	NV
Unknown-15	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown-18	TIC	1200	J	ug/kg	1200	J	1.0	YES	NV
1,3,6,10-Cyclotetradecatetraene, 3,7,11-	TIC	9700	NJ	ug/kg	9700	NJ	1.0	YES	NV
9-Eicosene, (E)-	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV
Unknown-11	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-14	TIC	920	J	ug/kg	920	J	1.0	YES	NV
.beta.-Sitosterol	TIC	6800	NJ	ug/kg	6800	NJ	1.0	YES	NV
Unknown-02	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-09	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	180	NJ	ug/kg	180	NJ	1.0	YES	NV
Unknown-06	TIC	99	J	ug/kg	99	J	1.0	YES	NV
Unknown-10	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-12	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Unknown-13	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	8600	NJ	ug/kg	8600	NJ	1.0	YES	NV
n-Tetracosanol-1	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-01	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Unknown-03	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-04	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-07	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Unknown-16	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown-17	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
Unknown-05	TIC	110	J	ug/kg	110	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	440	NJ	ug/kg	440	NJ	1.0	YES	NV
Tetracosanoic acid, methyl ester	TIC	370	NJ	ug/kg	370	NJ	1.0	YES	NV
3-Eicosene, (E)-	TIC	1600	NJ	ug/kg	1600	NJ	1.0	YES	NV
Methyl dehydroabietate	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL26TP01	pH:	Sample Date: 09/10/2020	Sample Time: 15:29:00
% Moisture:		% Solids: 81.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	2.0	JQ	ug/kg	2.0	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Acenaphthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Fluorene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.1	U	ug/kg	8.1	U	1.0	YES	S4VEM
Phenanthrene	Target	9.4		ug/kg	9.4		1.0	YES	S4VEM
Anthracene	Target	4.0	U	ug/kg	0.73	JB	1.0	YES	S4VEM
Fluoranthene	Target	7.8	J	ug/kg	7.8		1.0	YES	S4VEM
Pyrene	Target	7.1	J	ug/kg	7.1		1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Chrysene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.9	J	ug/kg	4.9		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.64	JQ	ug/kg	0.64	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL26TP02	pH:	Sample Date: 09/10/2020	Sample Time: 15:18:00
% Moisture:		% Solids: 80.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	83	UJ	ug/kg	83	U	1.0	YES	S4VEM
Benzaldehyde	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Phenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Acetophenone	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4-Nitrophenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Pentachlorophenol	Target	410	R	ug/kg	410	U	1.0	YES	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	410	R	ug/kg	410	U	1.0	YES	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	410	UJ	ug/kg	410	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
D:C-Friedoolean-8-en-3-one	TIC	5900	NJ	ug/kg	5900	NJ	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	870	NJ	ug/kg	870	NJ	1.0	YES	NV
Unknown-05	TIC	650	J	ug/kg	650	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	4300	NJ	ug/kg	4300	NJ	1.0	YES	NV
Unknown-14	TIC	2700	J	ug/kg	2700	J	1.0	YES	NV
1,5-Cyclodecadiene, 1,5-dimethyl-8-(1-me	TIC	2600	NJ	ug/kg	2600	NJ	1.0	YES	NV
Unknown-12	TIC	560	J	ug/kg	560	J	1.0	YES	NV
Unknown-15	TIC	6100	J	ug/kg	6100	J	1.0	YES	NV
Unknown-01	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	690	NJ	ug/kg	690	NJ	1.0	YES	NV
1-Docosene	TIC	2600	NJ	ug/kg	2600	NJ	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	930	NJ	ug/kg	930	NJ	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	1400	NJ	ug/kg	1400	NJ	1.0	YES	NV
Unknown-07	TIC	3000	J	ug/kg	3000	J	1.0	YES	NV
Unknown-09	TIC	650	J	ug/kg	650	J	1.0	YES	NV
Unknown-11	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
1-Heneicosyl formate	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Unknown-02	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV
Unknown-03	TIC	670	J	ug/kg	670	J	1.0	YES	NV
Retene	TIC	3400	NJ	ug/kg	3400	NJ	1.0	YES	NV
Unknown-06	TIC	630	J	ug/kg	630	J	1.0	YES	NV
Stigmastane-3,6-dione, (5.alpha.)-	TIC	1500	NJ	ug/kg	1500	NJ	1.0	YES	NV
16-Octadecenal	TIC	770	NJ	ug/kg	770	NJ	1.0	YES	NV
Unknown-10	TIC	3000	J	ug/kg	3000	J	1.0	YES	NV
Unknown-13	TIC	880	J	ug/kg	880	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	2100	NJ	ug/kg	2100	NJ	1.0	YES	NV
D-Friedoolean-14-en-3-one	TIC	3100	NJ	ug/kg	3100	NJ	1.0	YES	NV
Unknown-08	TIC	820	J	ug/kg	820	J	1.0	YES	NV
Unknown-04	TIC	730	J	ug/kg	730	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	2700	NJ	ug/kg	2700	NJ	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	520	NJ	ug/kg	520	NJ	1.0	YES	NV
Ethyl tetracosanoate	TIC	620	NJ	ug/kg	620	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX1	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL26TP02	pH:	Sample Date: 09/10/2020	Sample Time: 15:18:00
% Moisture:		% Solids: 80.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	1.0	JQ	ug/kg	1.0	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.55	JQ	ug/kg	0.55	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.3	U	ug/kg	8.3	U	1.0	YES	S4VEM
Phenanthrene	Target	2.9	JQ	ug/kg	2.9	J	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	0.74	JB	1.0	YES	S4VEM
Fluoranthene	Target	7.9	J	ug/kg	7.9		1.0	YES	S4VEM
Pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.93	JQ	ug/kg	0.93	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SL27TP01	pH:	Sample Date: 09/10/2020	Sample Time: 17:21:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	84	UJ	ug/kg	84	U	1.0	YES	S4VEM
Benzaldehyde	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Phenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
2-Chlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylphenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Acetophenone	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachloroethane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Nitrobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Isophorone	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitrophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Naphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chloroaniline	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Caprolactam	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Dimethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Acenaphthylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
3-Nitroaniline	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Acenaphthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
4-Nitrophenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Dibenzofuran	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Diethylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Fluorene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Nitroaniline	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Atrazine	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Pentachlorophenol	Target	420	R	ug/kg	420	U	1.0	YES	S4VEM
Phenanthrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Carbazole	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	420	R	ug/kg	420	U	1.0	YES	S4VEM
Pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Chrysene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	420	UJ	ug/kg	420	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	210	R	ug/kg	210	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	210	UJ	ug/kg	210	U	1.0	YES	S4VEM
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Octadecanoic acid, ethyl ester	TIC	300	NJ	ug/kg	300	NJ	1.0	YES	NV
Unknown-16	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Unknown-17	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-02	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Unknown-04	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-12	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-13	TIC	3900	J	ug/kg	3900	J	1.0	YES	NV
4-isopropyl-1,6-dimethyl-1,2,3,4-tetrahy	TIC	150	NJ	ug/kg	150	NJ	1.0	YES	NV
1-Docosene	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
Unknown-11	TIC	810	J	ug/kg	810	J	1.0	YES	NV
Unknown-15	TIC	96	J	ug/kg	96	J	1.0	YES	NV
.beta.-Sitosterol	TIC	340	NJ	ug/kg	340	NJ	1.0	YES	NV
Unknown-03	TIC	570	J	ug/kg	570	J	1.0	YES	NV
Unknown-05	TIC	270	J	ug/kg	270	J	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthrene, 4	TIC	120	NJ	ug/kg	120	NJ	1.0	YES	NV
Unknown-06	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-07	TIC	93	J	ug/kg	93	J	1.0	YES	NV
Unknown-10	TIC	3200	J	ug/kg	3200	J	1.0	YES	NV
Unknown-18	TIC	460	J	ug/kg	460	J	1.0	YES	NV
Unknown-01	TIC	290	J	ug/kg	290	J	1.0	YES	NV
Unknown-08	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Unknown-14	TIC	7800	J	ug/kg	7800	J	1.0	YES	NV
Unknown-19	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	280	NJ	ug/kg	280	NJ	1.0	YES	NV
Retene	TIC	130	NJ	ug/kg	130	NJ	1.0	YES	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octa	TIC	300	NJ	ug/kg	300	NJ	1.0	YES	NV
Docosanoic acid, ethyl ester	TIC	270	NJ	ug/kg	270	NJ	1.0	YES	NV
Unknown-09	TIC	570	J	ug/kg	570	J	1.0	YES	NV
Nonadecanoic acid, ethyl ester	TIC	710	NJ	ug/kg	710	NJ	1.0	YES	NV
1-Hexadecanol	TIC	850	NJ	ug/kg	850	NJ	1.0	YES	NV
n-Nonadecanol-1	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV
Naphthalene, 1,2,3,4-tetrahydro-1,6-dime	TIC	210	NJ	ug/kg	210	NJ	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	210	NJ	ug/kg	210	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: SL27TP01	pH:	Sample Date: 09/10/2020	Sample Time: 17:21:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Acenaphthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Fluorene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pentachlorophenol	Target	8.3	U	ug/kg	8.3	U	1.0	YES	S4VEM
Phenanthrene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
Anthracene	Target	4.1	U	ug/kg	0.92	JB	1.0	YES	S4VEM
Fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Pyrene	Target	0.85	JQ	ug/kg	0.85	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Chrysene	Target	0.65	JQ	ug/kg	0.65	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.70	JQ	ug/kg	0.70	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX7	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD04SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:06:00
% Moisture:		% Solids: 17.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	370	UJ	ug/kg	370	U	1.0	YES	S4VEM
Benzaldehyde	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Phenol	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
2-Chlorophenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2-Methylphenol	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Acetophenone	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Hexachloroethane	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Nitrobenzene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Isophorone	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2-Nitrophenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Naphthalene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
4-Chloroaniline	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Caprolactam	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2-Nitroaniline	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Dimethylphthalate	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Acenaphthylene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
3-Nitroaniline	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Acenaphthene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
4-Nitrophenol	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Dibenzofuran	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Diethylphthalate	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Fluorene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
4-Nitroaniline	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Atrazine	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Pentachlorophenol	Target	1800	R	ug/kg	1800	U	1.0	YES	S4VEM
Phenanthrene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Anthracene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Carbazole	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1800	R	ug/kg	1800	U	1.0	YES	S4VEM
Pyrene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Chrysene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	1800	UJ	ug/kg	1800	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	950	R	ug/kg	950	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	950	UJ	ug/kg	950	U	1.0	YES	S4VEM
Unknown Alkane-01	TIC	870	J	ug/kg	870	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	14000	NJ	ug/kg	14000	NJ	1.0	YES	NV
Unknown-10	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Unknown-11	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Palmitoleic acid	TIC	6100	NJ	ug/kg	6100	NJ	1.0	YES	NV
Stigmasterol	TIC	11000	NJ	ug/kg	11000	NJ	1.0	YES	NV
Unknown-04	TIC	4900	J	ug/kg	4900	J	1.0	YES	NV
Unknown-21	TIC	2200	J	ug/kg	2200	J	1.0	YES	NV
n-Tetracosanol-1	TIC	15000	NJ	ug/kg	15000	NJ	1.0	YES	NV
Pentadecanal-	TIC	11000	NJ	ug/kg	11000	NJ	1.0	YES	NV
Oxirane, hexadecyl-	TIC	9000	NJ	ug/kg	9000	NJ	1.0	YES	NV
1,19-Eicosadiene	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Unknown-16	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown-17	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Unknown-19	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Lup-20(29)-en-3-one	TIC	6800	NJ	ug/kg	6800	NJ	1.0	YES	NV
Unknown-01	TIC	4700	J	ug/kg	4700	J	1.0	YES	NV
Unknown-05	TIC	2900	J	ug/kg	2900	J	1.0	YES	NV
Unknown-12	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	8300	NJ	ug/kg	8300	NJ	1.0	YES	NV
Unknown-07	TIC	730	J	ug/kg	730	J	1.0	YES	NV
Unknown-20	TIC	950	J	ug/kg	950	J	1.0	YES	NV
.beta.-Amyrin	TIC	1600	NJ	ug/kg	1600	NJ	1.0	YES	NV
4,4,6a,6b,8a,11,11,14b-Octamethyl-1,4,4a	TIC	6400	NJ	ug/kg	6400	NJ	1.0	YES	NV
Cholesterol	TIC	790	NJ	ug/kg	790	NJ	1.0	YES	NV
Unknown-14	TIC	980	J	ug/kg	980	J	1.0	YES	NV
Unknown-13	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
Unknown-06	TIC	6000	J	ug/kg	6000	J	1.0	YES	NV
Unknown-02	TIC	4400	J	ug/kg	4400	J	1.0	YES	NV
1-Naphthalenecarboxylic acid, decahydro-	TIC	6900	NJ	ug/kg	6900	NJ	1.0	YES	NV
Unknown-08	TIC	730	J	ug/kg	730	J	1.0	YES	NV
Oxalic acid, isobutyl tetradecyl ester	TIC	2400	NJ	ug/kg	2400	NJ	1.0	YES	NV
Unknown-18	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	2800	NJ	ug/kg	2800	NJ	1.0	YES	NV
Unknown-15	TIC	940	J	ug/kg	940	J	1.0	YES	NV
Unknown-03	TIC	3300	J	ug/kg	3300	J	1.0	YES	NV
Unknown-09	TIC	2900	J	ug/kg	2900	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX7	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD04SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:06:00
% Moisture:		% Solids: 17.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Acenaphthylene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Acenaphthene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Fluorene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Pentachlorophenol	Target	37	U	ug/kg	37	U	1.0	YES	S4VEM
Phenanthrene	Target	4.7	JQ	ug/kg	4.7	J	1.0	YES	S4VEM
Anthracene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Fluoranthene	Target	2.5	JQ	ug/kg	2.5	J	1.0	YES	S4VEM
Pyrene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Chrysene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD05SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 65.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	UJ	ug/kg	100	U	1.0	YES	S4VEM
Benzaldehyde	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Phenol	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
2-Chlorophenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2-Methylphenol	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Acetophenone	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Hexachloroethane	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Nitrobenzene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Isophorone	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2-Nitrophenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Naphthalene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
4-Chloroaniline	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Caprolactam	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2-Nitroaniline	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Dimethylphthalate	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Acenaphthylene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
3-Nitroaniline	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Acenaphthene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
4-Nitrophenol	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Dibenzofuran	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Diethylphthalate	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Fluorene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
4-Nitroaniline	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Atrazine	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Pentachlorophenol	Target	500	R	ug/kg	500	U	1.0	YES	S4VEM
Phenanthrene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Anthracene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Carbazole	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	500	R	ug/kg	500	U	1.0	YES	S4VEM
Pyrene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Chrysene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	500	UJ	ug/kg	500	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	260	R	ug/kg	260	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	260	UJ	ug/kg	260	U	1.0	YES	S4VEM
Unknown-01	TIC	2300	J	ug/kg	2300	J	1.0	YES	NV
Unknown-03	TIC	890	J	ug/kg	890	J	1.0	YES	NV
Oxalic acid, isobutyl hexadecyl ester	TIC	2200	NJ	ug/kg	2200	NJ	1.0	YES	NV
.gamma.-Sitosterol	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-14	TIC	850	J	ug/kg	850	J	1.0	YES	NV
.beta.-Amyrin	TIC	450	NJ	ug/kg	450	NJ	1.0	YES	NV
Unknown-16	TIC	590	J	ug/kg	590	J	1.0	YES	NV
Unknown-04	TIC	2000	J	ug/kg	2000	J	1.0	YES	NV
Unknown-15	TIC	1000	J	ug/kg	1000	J	1.0	YES	NV
D:C-Friedoolean-8-en-3-one	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV
Stigmast-4-en-3-one	TIC	990	NJ	ug/kg	990	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	840	J	ug/kg	840	J	1.0	YES	NV
Unknown-10	TIC	660	J	ug/kg	660	J	1.0	YES	NV
17-Octadecenal	TIC	760	NJ	ug/kg	760	NJ	1.0	YES	NV
Unknown-13	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
Unknown-05	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-07	TIC	900	J	ug/kg	900	J	1.0	YES	NV
Tetradecanal	TIC	290	NJ	ug/kg	290	NJ	1.0	YES	NV
4,4,6a,6b,8a,11,11,14b-Octamethyl-1,4,4a	TIC	1400	NJ	ug/kg	1400	NJ	1.0	YES	NV
Unknown-02	TIC	2100	J	ug/kg	2100	J	1.0	YES	NV
2-Butenedioic acid (Z)-, monododecyl est	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
26-Nor-5-cholesten-3.beta.-ol-25-one	TIC	280	NJ	ug/kg	280	NJ	1.0	YES	NV
15-Octadecenal	TIC	630	NJ	ug/kg	630	NJ	1.0	YES	NV
Unknown-06	TIC	2600	J	ug/kg	2600	J	1.0	YES	NV
Unknown-08	TIC	200	J	ug/kg	200	J	1.0	YES	NV
1-Docosene	TIC	190	NJ	ug/kg	190	NJ	1.0	YES	NV
Unknown-17	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV
1-Heptadecene	TIC	290	NJ	ug/kg	290	NJ	1.0	YES	NV
13-Octadecenal	TIC	1100	NJ	ug/kg	1100	NJ	1.0	YES	NV
Unknown-09	TIC	610	J	ug/kg	610	J	1.0	YES	NV
1-Hexacosanol	TIC	5900	NJ	ug/kg	5900	NJ	1.0	YES	NV
Hexadecanal	TIC	2200	NJ	ug/kg	2200	NJ	1.0	YES	NV
Hexacosyl acetate	TIC	390	NJ	ug/kg	390	NJ	1.0	YES	NV
Unknown-11	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-12	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Pentadecanal-	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX8	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD05SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 65.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.81	JQ	ug/kg	0.81	J	1.0	YES	S4VEM
Acenaphthylene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Acenaphthene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Fluorene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Phenanthrene	Target	3.5	JQ	ug/kg	3.5	J	1.0	YES	S4VEM
Anthracene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Fluoranthene	Target	0.97	JQ	ug/kg	0.97	J	1.0	YES	S4VEM
Pyrene	Target	0.58	JQ	ug/kg	0.58	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Chrysene	Target	0.97	JQ	ug/kg	0.97	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	1.0	JQ	ug/kg	1.0	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	1.1	JQ	ug/kg	1.1	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD06SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:13:00
% Moisture:		% Solids: 20.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	320	UJ	ug/kg	320	U	1.0	YES	S4VEM
Benzaldehyde	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Phenol	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
2-Chlorophenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2-Methylphenol	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Acetophenone	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Hexachloroethane	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Nitrobenzene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Isophorone	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2-Nitrophenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Naphthalene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
4-Chloroaniline	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Caprolactam	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2-Nitroaniline	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Dimethylphthalate	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Acenaphthylene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
3-Nitroaniline	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Acenaphthene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
4-Nitrophenol	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Dibenzofuran	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Diethylphthalate	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Fluorene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
4-Nitroaniline	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Atrazine	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Pentachlorophenol	Target	1600	R	ug/kg	1600	U	1.0	YES	S4VEM
Phenanthrene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Anthracene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Carbazole	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	1600	R	ug/kg	1600	U	1.0	YES	S4VEM
Pyrene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Chrysene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	1600	UJ	ug/kg	1600	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	810	R	ug/kg	810	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	810	UJ	ug/kg	810	U	1.0	YES	S4VEM
Unknown-06	TIC	1900	J	ug/kg	1900	J	1.0	YES	NV
Unknown-14	TIC	4700	J	ug/kg	4700	J	1.0	YES	NV
D:C-Friedoolean-8-en-3-one	TIC	22000	NJ	ug/kg	22000	NJ	1.0	YES	NV
Unknown-05	TIC	5800	J	ug/kg	5800	J	1.0	YES	NV
Hexadecanal	TIC	1800	NJ	ug/kg	1800	NJ	1.0	YES	NV
Unknown-13	TIC	18000	J	ug/kg	18000	J	1.0	YES	NV
D:B-Friedo-B':A'-neogammacer-5-en-3-ol,	TIC	3000	NJ	ug/kg	3000	NJ	1.0	YES	NV
dl-.alpha.-Tocopherol	TIC	6400	NJ	ug/kg	6400	NJ	1.0	YES	NV
Lup-20(29)-en-3-one	TIC	64000	NJ	ug/kg	64000	NJ	1.0	YES	NV
Unknown-04	TIC	7700	J	ug/kg	7700	J	1.0	YES	NV
.beta.-Sitosterol	TIC	8400	NJ	ug/kg	8400	NJ	1.0	YES	NV
Unknown-18	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
Unknown-07	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV
Unknown Alkane-02	TIC	2100	J	ug/kg	2100	J	1.0	YES	NV
Unknown-12	TIC	9300	J	ug/kg	9300	J	1.0	YES	NV
Unknown-19	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
1,19-Eicosadiene	TIC	16000	NJ	ug/kg	16000	NJ	1.0	YES	NV
Vitamin E	TIC	33000	NJ	ug/kg	33000	NJ	1.0	YES	NV
.gamma.-Sitosterol	TIC	36000	NJ	ug/kg	36000	NJ	1.0	YES	NV
Unknown-03	TIC	4700	J	ug/kg	4700	J	1.0	YES	NV
Unknown-08	TIC	3700	J	ug/kg	3700	J	1.0	YES	NV
14-Octadecenal	TIC	2600	NJ	ug/kg	2600	NJ	1.0	YES	NV
(+)-.gamma.-Tocopherol, O-methyl-	TIC	2900	NJ	ug/kg	2900	NJ	1.0	YES	NV
Unknown-11	TIC	3100	J	ug/kg	3100	J	1.0	YES	NV
Ethyl 5-chloro-2-nitrobenzoate	TIC	2000	NJ	ug/kg	2000	NJ	1.0	YES	NV
Unknown-17	TIC	8200	J	ug/kg	8200	J	1.0	YES	NV
Unknown-01	TIC	3900	J	ug/kg	3900	J	1.0	YES	NV
Unknown Alkane-01	TIC	3900	J	ug/kg	3900	J	1.0	YES	NV
Unknown-09	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV
.beta.-Amyrin	TIC	9200	NJ	ug/kg	9200	NJ	1.0	YES	NV
Unknown-16	TIC	9300	J	ug/kg	9300	J	1.0	YES	NV
Unknown-15	TIC	5100	J	ug/kg	5100	J	1.0	YES	NV
Oxirane, hexadecyl-	TIC	5400	NJ	ug/kg	5400	NJ	1.0	YES	NV
Unknown-02	TIC	5100	J	ug/kg	5100	J	1.0	YES	NV
Unknown-10	TIC	2900	J	ug/kg	2900	J	1.0	YES	NV
(+)-.alpha.-Tocopherol, O-methyl-	TIC	2000	NJ	ug/kg	2000	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTX9	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD06SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:13:00
% Moisture:		% Solids: 20.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Acenaphthylene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Acenaphthene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Fluorene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Pentachlorophenol	Target	32	U	ug/kg	32	U	1.0	YES	S4VEM
Phenanthrene	Target	5.1	JQ	ug/kg	5.1	J	1.0	YES	S4VEM
Anthracene	Target	16	U	ug/kg	3.5	JB	1.0	YES	S4VEM
Fluoranthene	Target	6.9	JQ	ug/kg	6.9	J	1.0	YES	S4VEM
Pyrene	Target	4.1	JQ	ug/kg	4.1	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Chrysene	Target	3.6	JQ	ug/kg	3.6	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	7.3	JQ	ug/kg	7.3	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.2	JQ	ug/kg	4.2	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD07SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:28:00
% Moisture:		% Solids: 24.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	270	U	ug/kg	270	U	1.0	YES	S4VEM
Benzaldehyde	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Phenol	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
2-Chlorophenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2-Methylphenol	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Acetophenone	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Hexachloroethane	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Nitrobenzene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Isophorone	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2-Nitrophenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
4-Chloroaniline	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Caprolactam	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2-Nitroaniline	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Dimethylphthalate	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
3-Nitroaniline	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
4-Nitrophenol	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Dibenzofuran	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Diethylphthalate	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
4-Nitroaniline	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Atrazine	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	1300	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Carbazole	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	1300	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	310	JQ	ug/kg	310	J	1.0	YES	S4VEM
Di-n-octylphthalate	Target	1300	U	ug/kg	1300	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	690	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	690	U	ug/kg	690	U	1.0	YES	S4VEM
Unknown-11	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
Pentadecanal-	TIC	3400	NJ	ug/kg	3400	NJ	1.0	YES	NV
14-Octadecenal	TIC	2300	NJ	ug/kg	2300	NJ	1.0	YES	NV
Unknown-10	TIC	2700	J	ug/kg	2700	J	1.0	YES	NV
Unknown-14	TIC	5000	J	ug/kg	5000	J	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13-penta	TIC	3600	NJ	ug/kg	3600	NJ	1.0	YES	NV
Unknown-04	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV
Unknown-06	TIC	3700	J	ug/kg	3700	J	1.0	YES	NV
1-Docosene	TIC	1900	NJ	ug/kg	1900	NJ	1.0	YES	NV
.beta.-Amyrin	TIC	7900	NJ	ug/kg	7900	NJ	1.0	YES	NV
Lup-20(29)-en-3-one	TIC	28000	NJ	ug/kg	28000	NJ	1.0	YES	NV
Unknown-16	TIC	5000	J	ug/kg	5000	J	1.0	YES	NV
Unknown-17	TIC	9800	J	ug/kg	9800	J	1.0	YES	NV
Unknown-03	TIC	4900	J	ug/kg	4900	J	1.0	YES	NV
Phosphoric acid, tris(4-methylphenyl) es	TIC	5000	NJ	ug/kg	5000	NJ	1.0	YES	NV
Unknown-08	TIC	3600	J	ug/kg	3600	J	1.0	YES	NV
Unknown-09	TIC	1500	J	ug/kg	1500	J	1.0	YES	NV
Octadecanal	TIC	1900	NJ	ug/kg	1900	NJ	1.0	YES	NV
Unknown-13	TIC	23000	J	ug/kg	23000	J	1.0	YES	NV
Unknown-15	TIC	5900	J	ug/kg	5900	J	1.0	YES	NV
18-Norabietane	TIC	3900	NJ	ug/kg	3900	NJ	1.0	YES	NV
Hexadecanal	TIC	13000	NJ	ug/kg	13000	NJ	1.0	YES	NV
Oxirane, hexadecyl-	TIC	12000	NJ	ug/kg	12000	NJ	1.0	YES	NV
Unknown-02	TIC	5500	J	ug/kg	5500	J	1.0	YES	NV
Triphenyl phosphate	TIC	1900	NJ	ug/kg	1900	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	2300	J	ug/kg	2300	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	6100	NJ	ug/kg	6100	NJ	1.0	YES	NV
Unknown-01	TIC	6800	J	ug/kg	6800	J	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5,6,7,8	TIC	6000	NJ	ug/kg	6000	NJ	1.0	YES	NV
Phosphoric acid, tris(3-methylphenyl) es	TIC	1400	NJ	ug/kg	1400	NJ	1.0	YES	NV
Unknown-07	TIC	1900	J	ug/kg	1900	J	1.0	YES	NV
D:C-Friedoolean-8-en-3-one	TIC	83000	NJ	ug/kg	83000	NJ	1.0	YES	NV
Unknown-18	TIC	2800	J	ug/kg	2800	J	1.0	YES	NV
Unknown-12	TIC	10000	J	ug/kg	10000	J	1.0	YES	NV
Retene	TIC	3500	NJ	ug/kg	3500	NJ	1.0	YES	NV
Unknown-05	TIC	15000	J	ug/kg	15000	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY0	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD07SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:28:00
% Moisture:		% Solids: 24.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Acenaphthylene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Acenaphthene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Fluorene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Pentachlorophenol	Target	27	U	ug/kg	27	U	1.0	YES	S4VEM
Phenanthrene	Target	4.1	JQ	ug/kg	4.1	J	1.0	YES	S4VEM
Anthracene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Fluoranthene	Target	28	J	ug/kg	28		1.0	YES	S4VEM
Pyrene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Chrysene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	4.0	JQ	ug/kg	4.0	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.5	JQ	ug/kg	3.5	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	13	U	ug/kg	13	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD08SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:38:00
% Moisture:		% Solids: 20.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzaldehyde	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Phenol	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
2-Chlorophenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2-Methylphenol	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Acetophenone	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Hexachloroethane	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Nitrobenzene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Isophorone	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2-Nitrophenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
4-Chloroaniline	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Caprolactam	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2-Nitroaniline	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Dimethylphthalate	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
3-Nitroaniline	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
4-Nitrophenol	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Dibenzofuran	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Diethylphthalate	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
4-Nitroaniline	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Atrazine	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	1600	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Carbazole	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	1600	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	1600	U	ug/kg	1600	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	830	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	830	U	ug/kg	830	U	1.0	YES	S4VEM
Unknown-09	TIC	2200	J	ug/kg	2200	J	1.0	YES	NV
Isoheptadecanol	TIC	2300	NJ	ug/kg	2300	NJ	1.0	YES	NV
Unknown-13	TIC	2800	J	ug/kg	2800	J	1.0	YES	NV
Unknown-14	TIC	9100	J	ug/kg	9100	J	1.0	YES	NV
Oxirane, hexadecyl-	TIC	12000	NJ	ug/kg	12000	NJ	1.0	YES	NV
Unknown-04	TIC	5600	J	ug/kg	5600	J	1.0	YES	NV
Unknown-05	TIC	8000	J	ug/kg	8000	J	1.0	YES	NV
Unknown-06	TIC	3400	J	ug/kg	3400	J	1.0	YES	NV
Unknown-07	TIC	3400	J	ug/kg	3400	J	1.0	YES	NV
Bromoacetic acid, hexadecyl ester	TIC	1500	NJ	ug/kg	1500	NJ	1.0	YES	NV
Unknown-16	TIC	3900	J	ug/kg	3900	J	1.0	YES	NV
Unknown-17	TIC	7000	J	ug/kg	7000	J	1.0	YES	NV
Stigmasterol	TIC	4000	NJ	ug/kg	4000	NJ	1.0	YES	NV
9,19-Cyclolanost-24-en-3-ol, acetate, (3	TIC	25000	NJ	ug/kg	25000	NJ	1.0	YES	NV
1-Octadecanesulphonyl chloride	TIC	12000	NJ	ug/kg	12000	NJ	1.0	YES	NV
Unknown-10	TIC	3700	J	ug/kg	3700	J	1.0	YES	NV
Unknown-11	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
Unknown-12	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Tetradecanal	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
Unknown-18	TIC	5400	J	ug/kg	5400	J	1.0	YES	NV
Unknown-03	TIC	3100	J	ug/kg	3100	J	1.0	YES	NV
Hexanoic acid, 2-hydroxy-2-butyl-, 2-met	TIC	9800	NJ	ug/kg	9800	NJ	1.0	YES	NV
Heptadecanal	TIC	2100	NJ	ug/kg	2100	NJ	1.0	YES	NV
Unknown-20	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV
1,19-Eicosadiene	TIC	14000	NJ	ug/kg	14000	NJ	1.0	YES	NV
Unknown-01	TIC	4300	J	ug/kg	4300	J	1.0	YES	NV
Unknown-08	TIC	1900	J	ug/kg	1900	J	1.0	YES	NV
Unknown-02	TIC	3900	J	ug/kg	3900	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	5500	NJ	ug/kg	5500	NJ	1.0	YES	NV
Unknown-15	TIC	19000	J	ug/kg	19000	J	1.0	YES	NV
.beta.-Amyrin	TIC	8000	NJ	ug/kg	8000	NJ	1.0	YES	NV
Unknown-19	TIC	10000	J	ug/kg	10000	J	1.0	YES	NV
D:C-Friedoolean-8-en-3-one	TIC	19000	NJ	ug/kg	19000	NJ	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5,6,7,8	TIC	2900	NJ	ug/kg	2900	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY1	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD08SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:38:00
% Moisture:		% Solids: 20.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Acenaphthylene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Acenaphthene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Fluorene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Pentachlorophenol	Target	33	U	ug/kg	33	U	1.0	YES	S4VEM
Phenanthrene	Target	4.1	JQ	ug/kg	4.1	J	1.0	YES	S4VEM
Anthracene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Fluoranthene	Target	5.7	JQ	ug/kg	5.7	J	1.0	YES	S4VEM
Pyrene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Chrysene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	4.1	JQ	ug/kg	4.1	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	16	U	ug/kg	16	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: PD09SD	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 46.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	140	U	ug/kg	140	U	1.0	YES	S4VEM
Benzaldehyde	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Phenol	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
2-Chlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2-Methylphenol	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Acetophenone	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Hexachloroethane	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Nitrobenzene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Isophorone	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
4-Chloroaniline	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Caprolactam	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Dimethylphthalate	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
3-Nitroaniline	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
4-Nitrophenol	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Dibenzofuran	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Diethylphthalate	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
4-Nitroaniline	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Atrazine	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	680	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Carbazole	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	680	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	680	U	ug/kg	680	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	350	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	350	U	ug/kg	350	U	1.0	YES	S4VEM
Unknown-06	TIC	690	J	ug/kg	690	J	1.0	YES	NV
Unknown-17	TIC	2300	J	ug/kg	2300	J	1.0	YES	NV
Unknown-15	TIC	1700	J	ug/kg	1700	J	1.0	YES	NV
D:C-Friedoolean-8-en-3-one	TIC	9300	NJ	ug/kg	9300	NJ	1.0	YES	NV
Unknown-18	TIC	450	J	ug/kg	450	J	1.0	YES	NV
1-Hexadecanol	TIC	1700	NJ	ug/kg	1700	NJ	1.0	YES	NV
13-Octadecenal	TIC	2300	NJ	ug/kg	2300	NJ	1.0	YES	NV
.beta.-Sitosterol	TIC	8800	NJ	ug/kg	8800	NJ	1.0	YES	NV
1-Heneicosyl formate	TIC	1200	NJ	ug/kg	1200	NJ	1.0	YES	NV
Unknown-12	TIC	3100	J	ug/kg	3100	J	1.0	YES	NV
Unknown-02	TIC	2200	J	ug/kg	2200	J	1.0	YES	NV
Unknown-05	TIC	560	J	ug/kg	560	J	1.0	YES	NV
14-Octadecenal	TIC	750	NJ	ug/kg	750	NJ	1.0	YES	NV
Unknown-13	TIC	8300	J	ug/kg	8300	J	1.0	YES	NV
.beta.-Amyrin	TIC	2700	NJ	ug/kg	2700	NJ	1.0	YES	NV
Unknown-16	TIC	2100	J	ug/kg	2100	J	1.0	YES	NV
1-Docosene	TIC	690	NJ	ug/kg	690	NJ	1.0	YES	NV
Unknown-14	TIC	1900	J	ug/kg	1900	J	1.0	YES	NV
Cyclohexane, 1-ethenyl-1-methyl-2,4-bis(	TIC	4900	NJ	ug/kg	4900	NJ	1.0	YES	NV
(+)-.gamma.-Tocopherol, O-methyl-	TIC	540	NJ	ug/kg	540	NJ	1.0	YES	NV
Unknown Alkane-02	TIC	430	J	ug/kg	430	J	1.0	YES	NV
Unknown-09	TIC	720	J	ug/kg	720	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	820	NJ	ug/kg	820	NJ	1.0	YES	NV
Squalene	TIC	1500	NJ	ug/kg	1500	NJ	1.0	YES	NV
Unknown-03	TIC	2900	J	ug/kg	2900	J	1.0	YES	NV
Unknown-04	TIC	2300	J	ug/kg	2300	J	1.0	YES	NV
Unknown-10	TIC	640	J	ug/kg	640	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	2800	NJ	ug/kg	2800	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
1,19-Eicosadiene	TIC	2600	NJ	ug/kg	2600	NJ	1.0	YES	NV
Unknown-01	TIC	1400	J	ug/kg	1400	J	1.0	YES	NV
Unknown-07	TIC	450	J	ug/kg	450	J	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5,6,7,8	TIC	550	NJ	ug/kg	550	NJ	1.0	YES	NV
17-Octadecenal	TIC	770	NJ	ug/kg	770	NJ	1.0	YES	NV
Unknown-08	TIC	1100	J	ug/kg	1100	J	1.0	YES	NV
Unknown-11	TIC	690	J	ug/kg	690	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY2	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: PD09SD	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 46.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Acenaphthylene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Acenaphthene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Fluorene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Pentachlorophenol	Target	14	U	ug/kg	14	U	1.0	YES	S4VEM
Phenanthrene	Target	3.8	JQ	ug/kg	3.8	J	1.0	YES	S4VEM
Anthracene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Fluoranthene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Pyrene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Chrysene	Target	1.7	JQ	ug/kg	1.7	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	1.9	JQ	ug/kg	1.9	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	1.6	JQ	ug/kg	1.6	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: OP01TP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:25:00
% Moisture:		% Solids: 78.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	86	U	ug/kg	86	U	1.0	YES	S4VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Phenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Acetophenone	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	34	J	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
3-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4-Nitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/kg	420	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	61	J	1.0	YES	S4VEM
Anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/kg	420	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	420	U	ug/kg	420	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/kg	220	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S4VEM
Unknown Alkane-02	TIC	610	J	ug/kg	610	J	1.0	YES	NV
Unknown-21	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown-10	TIC	660	J	ug/kg	660	J	1.0	YES	NV
Unknown-20	TIC	400	J	ug/kg	400	J	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	400	NJ	ug/kg	400	NJ	1.0	YES	NV
Unknown-22	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-05	TIC	460	J	ug/kg	460	J	1.0	YES	NV
Unknown Alkane-01	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Unknown-13	TIC	690	J	ug/kg	690	J	1.0	YES	NV
Unknown-16	TIC	570	J	ug/kg	570	J	1.0	YES	NV
Unknown-04	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Unknown-11	TIC	370	J	ug/kg	370	J	1.0	YES	NV
1-Hexadecanol	TIC	1600	NJ	ug/kg	1600	NJ	1.0	YES	NV
Unknown-02	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Unknown-03	TIC	510	J	ug/kg	510	J	1.0	YES	NV
Unknown-12	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-17	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Unknown-23	TIC	340	J	ug/kg	340	J	1.0	YES	NV
Unknown-24	TIC	980	J	ug/kg	980	J	1.0	YES	NV
.gamma.-Sitosterol	TIC	820	NJ	ug/kg	820	NJ	1.0	YES	NV
Unknown-18	TIC	450	J	ug/kg	450	J	1.0	YES	NV
1-Docosene	TIC	1000	NJ	ug/kg	1000	NJ	1.0	YES	NV
Unknown-09	TIC	270	J	ug/kg	270	J	1.0	YES	NV
Unknown-14	TIC	550	J	ug/kg	550	J	1.0	YES	NV
Unknown-19	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-01	TIC	330	J	ug/kg	330	J	1.0	YES	NV
Unknown-07	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-08	TIC	300	J	ug/kg	300	J	1.0	YES	NV
Unknown-15	TIC	460	J	ug/kg	460	J	1.0	YES	NV
Unknown-06	TIC	430	J	ug/kg	430	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY5	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: OP01TP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:25:00
% Moisture:		% Solids: 78.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	16		ug/kg	16		1.0	YES	S4VEM
2-Methylnaphthalene	Target	42		ug/kg	42		1.0	YES	S4VEM
Acenaphthylene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Acenaphthene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM
Fluorene	Target	6.5		ug/kg	6.5		1.0	YES	S4VEM
Pentachlorophenol	Target	8.0	JQ	ug/kg	8.0	J	1.0	YES	S4VEM
Phenanthrene	Target	48		ug/kg	48		1.0	YES	S4VEM
Anthracene	Target	9.4		ug/kg	9.4		1.0	YES	S4VEM
Fluoranthene	Target	11		ug/kg	11		1.0	YES	S4VEM
Pyrene	Target	14		ug/kg	14		1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.5	JQ	ug/kg	3.5	J	1.0	YES	S4VEM
Chrysene	Target	11		ug/kg	11		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	11		ug/kg	11		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.1	JQ	ug/kg	3.1	J	1.0	YES	S4VEM
Benzo(a)pyrene	Target	4.5		ug/kg	4.5		1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	2.7	JQ	ug/kg	2.7	J	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	2.4	JQ	ug/kg	2.4	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: OP01TP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:25:00
% Moisture:		% Solids: 84.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Vinyl chloride	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
Bromomethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Acetone	Target	14	JQ	ug/kg	14	J	1.0	YES	S4VEM
Carbon disulfide	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Methyl acetate	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Methylene chloride	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
2-Butanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Bromochloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chloroform	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Cyclohexane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Benzene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Trichloroethene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Methylcyclohexane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Bromodichloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Toluene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Tetrachloroethene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
2-Hexanone	Target	18	U	ug/kg	18	U	1.0	YES	S4VEM
Dibromochloromethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Chlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
Ethylbenzene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
o-Xylene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
m, p-Xylene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Styrene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Bromoform	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
Isopropylbenzene	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	8.9	UJ	ug/kg	8.9	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: OP01TP02	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 67.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	UJ	ug/kg	100	U	1.0	YES	S4VEM
Benzaldehyde	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Phenol	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
2-Chlorophenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2-Methylphenol	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Acetophenone	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Hexachloroethane	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Nitrobenzene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Isophorone	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2-Nitrophenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/kg	69	J	1.0	YES	S4VEM
4-Chloroaniline	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Caprolactam	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/kg	110	J	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2-Nitroaniline	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Dimethylphthalate	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Acenaphthylene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
3-Nitroaniline	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Acenaphthene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
4-Nitrophenol	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Dibenzofuran	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Diethylphthalate	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Fluorene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
4-Nitroaniline	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Atrazine	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Pentachlorophenol	Target	490	R	ug/kg	490	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/kg	68	J	1.0	YES	S4VEM
Anthracene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
Carbazole	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target		R	ug/kg	42	J	1.0	YES	S4VEM
Pyrene	Target		R	ug/kg	60	J	1.0	YES	S4VEM
Butylbenzylphthalate	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
Chrysene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	490	UJ	ug/kg	490	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/kg	45	J	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/kg	37	J	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	250	R	ug/kg	250	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	250	UJ	ug/kg	250	U	1.0	YES	S4VEM
.gamma.-Sitosterol	TIC	3800	NJ	ug/kg	3800	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Naphthalene, 1,2,3,4-tetrahydro-1,6-dime	TIC	1500	NJ	ug/kg	1500	NJ	1.0	YES	NV
Naphthalene, decahydro-1,6-dimethyl-4-(1	TIC	5100	NJ	ug/kg	5100	NJ	1.0	YES	NV
4-isopropyl-1,6-dimethyl-1,2,3,4-tetrahy	TIC	1500	NJ	ug/kg	1500	NJ	1.0	YES	NV
Unknown-04	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-06	TIC	380	J	ug/kg	380	J	1.0	YES	NV
Unknown-09	TIC	490	J	ug/kg	490	J	1.0	YES	NV
Thieno[2,3-d]-1,3-thiaselenol-2-thione	TIC	490	NJ	ug/kg	490	NJ	1.0	YES	NV
Unknown-11	TIC	440	J	ug/kg	440	J	1.0	YES	NV
18-Norabietane	TIC	670	NJ	ug/kg	670	NJ	1.0	YES	NV
Unknown-07	TIC	460	J	ug/kg	460	J	1.0	YES	NV
1-Hexadecanol	TIC	3700	NJ	ug/kg	3700	NJ	1.0	YES	NV
Unknown-19	TIC	6300	J	ug/kg	6300	J	1.0	YES	NV
Naphthalene, 1,6-dimethyl-4-(1-methyleth	TIC	2400	NJ	ug/kg	2400	NJ	1.0	YES	NV
Unknown-08	TIC	360	J	ug/kg	360	J	1.0	YES	NV
Unknown-14	TIC	540	J	ug/kg	540	J	1.0	YES	NV
Unknown-16	TIC	8800	J	ug/kg	8800	J	1.0	YES	NV
Retene	TIC	45000	NJ	ug/kg	45000	NJ	1.0	YES	NV
Unknown-03	TIC	450	J	ug/kg	450	J	1.0	YES	NV
Unknown-17	TIC	33000	J	ug/kg	33000	J	1.0	YES	NV
Unknown-01	TIC	430	J	ug/kg	430	J	1.0	YES	NV
Unknown-12	TIC	390	J	ug/kg	390	J	1.0	YES	NV
Unknown-02	TIC	650	J	ug/kg	650	J	1.0	YES	NV
Stigmast-4-en-3-one	TIC	1900	NJ	ug/kg	1900	NJ	1.0	YES	NV
Unknown-18	TIC	1800	J	ug/kg	1800	J	1.0	YES	NV
1-Docosene	TIC	2100	NJ	ug/kg	2100	NJ	1.0	YES	NV
Unknown-15	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Unknown-13	TIC	740	J	ug/kg	740	J	1.0	YES	NV
Unknown-05	TIC	850	J	ug/kg	850	J	1.0	YES	NV
Unknown-10	TIC	390	J	ug/kg	390	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY6	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location: OP01TP02	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 67.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	33		ug/kg	33		1.0	YES	S4VEM
2-Methylnaphthalene	Target	48		ug/kg	48		1.0	YES	S4VEM
Acenaphthylene	Target	1.3	JQ	ug/kg	1.3	J	1.0	YES	S4VEM
Acenaphthene	Target	4.1	JQ	ug/kg	4.1	J	1.0	YES	S4VEM
Fluorene	Target	5.0		ug/kg	5.0		1.0	YES	S4VEM
Pentachlorophenol	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Phenanthrene	Target	25		ug/kg	25		1.0	YES	S4VEM
Anthracene	Target	4.9	U	ug/kg	4.0	JB	1.0	YES	S4VEM
Fluoranthene	Target	21	J	ug/kg	21		1.0	YES	S4VEM
Pyrene	Target	19	J	ug/kg	19		1.0	YES	S4VEM
Benzo(a)anthracene	Target	8.4	J	ug/kg	8.4		1.0	YES	S4VEM
Chrysene	Target	11	J	ug/kg	11		1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	20	J	ug/kg	20		1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	7.9	J	ug/kg	7.9		1.0	YES	S4VEM
Benzo(a)pyrene	Target	13	J	ug/kg	13		1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	8.9	J	ug/kg	8.9		1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	10	J	ug/kg	10		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTY6	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: OP01TP02	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 66.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Chloromethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Vinyl chloride	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Bromomethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Chloroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Acetone	Target	1500	U	ug/kg	1500	U	1.0	YES	S4VEM
Carbon disulfide	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Methyl acetate	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Methylene chloride	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
2-Butanone	Target	1500	U	ug/kg	1500	U	1.0	YES	S4VEM
Bromochloromethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Chloroform	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Cyclohexane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Benzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Trichloroethene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Methylcyclohexane	Target	3200		ug/kg	3200		1.0	YES	S4VEM
1,2-Dichloropropane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Bromodichloromethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	1500	U	ug/kg	1500	U	1.0	YES	S4VEM
Toluene	Target	180	JQ	ug/kg	180	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Tetrachloroethene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
2-Hexanone	Target	1500	U	ug/kg	1500	U	1.0	YES	S4VEM
Dibromochloromethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Chlorobenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Ethylbenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
o-Xylene	Target	120	JQ	ug/kg	120	J	1.0	YES	S4VEM
m, p-Xylene	Target	210	JQ	ug/kg	210	J	1.0	YES	S4VEM
Styrene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Bromoform	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Isopropylbenzene	Target	210	JQ	ug/kg	210	J	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	770	U	ug/kg	770	U	1.0	YES	S4VEM
Unknown Alkane-02	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Naphthalene, decahydro-1,4a-	TIC	3300	NJ	ug/kg	3300	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
dimethyl-7-(									
o-Cymene	TIC	11000	NJ	ug/kg	11000	NJ	1.0	YES	NV
Benzene, (1-methyl-1-butenyl)-	TIC	3000	NJ	ug/kg	3000	NJ	1.0	YES	NV
Naphthalene, 1,2,3,4-tetrahydro-1,5-dime	TIC	2900	NJ	ug/kg	2900	NJ	1.0	YES	NV
Unknown Alkane-01	TIC	3500	J	ug/kg	3500	J	1.0	YES	NV
Unknown Alkane-03	TIC	6100	J	ug/kg	6100	J	1.0	YES	NV
Unknown-02	TIC	2900	J	ug/kg	2900	J	1.0	YES	NV
Unknown-04	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Unknown Alkane-05	TIC	6100	J	ug/kg	6100	J	1.0	YES	NV
Unknown Alkane-07	TIC	39000	J	ug/kg	39000	J	1.0	YES	NV
Unknown-05	TIC	2200	J	ug/kg	2200	J	1.0	YES	NV
Unknown Alkane-08	TIC	10000	J	ug/kg	10000	J	1.0	YES	NV
Cyclohexene, 1-methyl-4-(1-methylethyl)-	TIC	2700	NJ	ug/kg	2700	NJ	1.0	YES	NV
(+)-2-Bornanone	TIC	2400	NJ	ug/kg	2400	NJ	1.0	YES	NV
Unknown-07	TIC	11000	J	ug/kg	11000	J	1.0	YES	NV
Unknown-08	TIC	8900	J	ug/kg	8900	J	1.0	YES	NV
Unknown Alkane-04	TIC	2700	J	ug/kg	2700	J	1.0	YES	NV
(2Z,4E)-3,7-Dimethyl-2,4-octadiene	TIC	2600	NJ	ug/kg	2600	NJ	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	3100	NJ	ug/kg	3100	NJ	1.0	YES	NV
Unknown-03	TIC	3600	J	ug/kg	3600	J	1.0	YES	NV
Unknown-06	TIC	2400	J	ug/kg	2400	J	1.0	YES	NV
Muurolane-B	TIC	57000	NJ	ug/kg	57000	NJ	1.0	YES	NV
Unknown Alkane-06	TIC	530000	J	ug/kg	530000	J	1.0	YES	NV
4-isopropyl-1,6-dimethyl-1,2,3,4-tetrahy	TIC	3100	NJ	ug/kg	3100	NJ	1.0	YES	NV
(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2	TIC	4600	NJ	ug/kg	4600	NJ	1.0	YES	NV
10,10-Dimethyl-4-acetyl-tricyclo[5.2.1.0	TIC	4000	NJ	ug/kg	4000	NJ	1.0	YES	NV
Unknown-01	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK11	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-01	TIC	2500	J	ug/kg	2500	J	1.0	YES	NV
Unknown-04	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-02	TIC	72	J	ug/kg	72	J	1.0	YES	NV
Unknown-03	TIC	210	J	ug/kg	210	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK14	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	UJ	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK23	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	UJ	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	UJ	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	UJ	ug/kg	170	U	1.0	YES	S4VEM
Unknown-01	TIC	1300	J	ug/kg	1300	J	1.0	YES	NV
Unknown-03	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown Alkane-01	TIC	79	J	ug/kg	79	J	1.0	YES	NV
Cyclopentasiloxane, decamethyl-	TIC	140	NJ	ug/kg	140	NJ	1.0	YES	NV
Unknown-04	TIC	190	J	ug/kg	190	J	1.0	YES	NV
Unknown-02	TIC	79	J	ug/kg	79	J	1.0	YES	NV
Unknown-05	TIC	94	J	ug/kg	94	J	1.0	YES	NV
Unknown-06	TIC	72	J	ug/kg	72	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK25	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	0.48	JQ	ug/kg	0.48	J	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK74	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S4VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S4VEM
Unknown-02	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Unknown-01	TIC	930	J	ug/kg	930	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK80	Method: Semivolatiles by SIM	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Acenaphthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluorene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pentachlorophenol	Target	6.7	U	ug/kg	6.7	U	1.0	YES	S4VEM
Phenanthrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Chrysene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKDP	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	1.8	JQ	ug/kg	1.8	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclotetrasiloxane, octamethyl-	TIC	9.6	NJ	ug/kg	9.6	NJ	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKFQ	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methyl acetate	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S4VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
m, p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	34	JQ	ug/kg	34	J	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	44	JQ	ug/kg	44	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKJJ	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTY5** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S4VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
m, p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	6.5	J	ug/kg	6.5	J	1.0	YES	NV

MEMORANDUM

DATE: November 9, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 20 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Organic Compounds, Trace VOA (13 samples), SVOCs / SIM (17 samples). All samples were analyzed by Pace Analytical Services, LLC (formerly known as Shealy Environmental Services) located in West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

JLTZ7	JLW05	JLW07	JLW09	JLW55
JLW23	JLW29	JLW39	JLW41	JLW27
JLW45	JLW31	JLW43	JLW33	JLW01
JLW54	JLW37	JLW35	JLW56	JLW57

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

OFFICE OF
Lab Services & Applied
Science Division

Date: October 28, 2020

Reply to:
Attn of: LSASD-14-D12

MEMORANDUM

Subject: Data Validation Report for the Organic Analyses of the water samples collected from the Former Western States Plywood Cooperative Mill Brownfields Site located in Port Orford, Oregon.
Case Number: 49090 SDG: JLTZ7

RAYMOND WU Digitally signed by RAYMOND WU Date: 2020.10.28 15:27:33 -07'00'

From: Raymond Wu, QA Chemist
Environmental Characterization Branch
Quality Assurance Section
Office of Laboratory Services & Applied Science Division (LSASD – 14D12),
USEPA Region 10

To: Brandon Perkins, EPA Task Monitor
Emergency Management Branch,
Spill Prevention & Removal Section
Office of Superfund & Emergency Management Division (SEMD – 13J07),
USEPA Region 10

CC: Derek Pulvino, Project Manager
Ecology and Environment, Inc.
Seattle, WA

The quality assurance (QA) review of the analytical data generated from the analysis of 20 water samples collected from the above referenced site has been completed. These samples were analyzed for Organic Compounds, Trace VOA (13 samples), SVOCs / SIM (17 samples). All samples were analyzed by Pace Analytical Services, LLC (formerly known as Shealy Environmental Services) located in West Columbia, South Carolina. When multiple analytical runs were conducted (i.e., dilution, reanalysis, SIM, etc.), the run with reportable results has been indicated by the reviewer.

All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM). The validations were conducted and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the Quality Assurance Project Plan (QAPP) for the Former Western States Plywood SQAP dated July, 2020, the technical specifications of USEPA CLP SOW for Organic Data Review (SOM02.4, 10/2016), for VOA, SVOC & SVOC-SIM, the Contract Laboratory Program's National Functional Guidelines for Organic Data Review (EPA-540-R-2017-002, 01/2017) and the Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R08-005).

Some data qualifiers might have been adjusted using the reviewer's professional judgment and project specific criteria. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the reviewed data.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Also, It appears that the lab may have neglected to spike Deuterated Monitoring Compounds (DMC) into the initial extraction of samples JLTZ7, JLW01, JLW05, JLW07, JLW09, JLW23, JLW27, JLW29, JLW31, JLW33, JLW35, JLW37, JLW39, JLW41, JLW43, JLW45 and JLW54, and the associated blanks for SVOC analysis.

The re-extraction analyses provided similar SVOC results for these samples as the original analyses. Therefore, SVOC results reported from these initial & rerun analyses are reported qualified as appropriate (i.e. J/UJ) but not rejected for low DMC recovery. SVOC results reported from these reanalyses are qualified for extraction past the technical holding time as well as the CLP statement of work holding time.

All SVOC-SIM samples were extracted within CLP Statement of Work time requirements. As the result, no SIM results were qualified based on Holding Time.

Water Trace Volatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration Verification	N	Min. RRF: 0.010 to 0.700‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	Y*	Min. RRF: 0.010 to 0.700‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Tables 4(Trace VOC) for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

Water Trace Semivolatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Holding Time	Y*	7 day (for extraction) or 40 days (for analysis)
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y*	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

Water Trace SIM Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	N	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Tables 34(SVOC) for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review" section of this report.

Control Required Quantitation Limits: Sample data with values reported below the CRQL are qualified J.

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s) when needed to indicate associated out-of-control QA/QC results.

U	The analyte was not detected at or above the reported result.
J	The analyte was positively identified. The associated numerical result is an estimate.
UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
R	The data are unusable for all purposes.
Q	The result is estimated because the concentration is below the contract required Quantitation Limit (CRQLs)

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

HoldingTimes_Preservation

Method - Semivolatiles

Test Name: EXES-84
Defect Message: The following aqueous samples were properly cooled, and the re-extraction was performed outside the extraction technical holding time or there was lack of samples to re-extract. Use professional judgment to qualify detects and nondetects (J/UJ).

Associated Samples: JLTZ7, JLW01, JLW05, JLW07, JLW09, JLW23, JLW27, JLW29, JLW31, JLW33, JLW35, JLW37, JLW39, JLW41, JLW43, JLW45, JLW54

Defective Analyte	Defective Samples/Analyses
ALL	JLTZ7, JLW01[Reanalysis-01], JLW05, JLW07, JLW09[Reanalysis-01], JLW23[Reanalysis-01], JLW27[Reanalysis-01], JLW29[Reanalysis-01], JLW31[Reanalysis-01], JLW33[Reanalysis-01], JLW35[Reanalysis-01], JLW37[Reanalysis-01], JLW39[Reanalysis-01], JLW41[Reanalysis-01], JLW43[Reanalysis-01], JLW45[Reanalysis-01], JLW54[Reanalysis-01]

Target Analyte Quantitation

Test Name: EXES-790
Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: JLW27

Defective Analyte	Defective Samples/Analyses
Caprolactam	JLW27

Semivolatile-SIM

Holding Time_Preservation

Test Name: EXES-84
Defect Message: The following aqueous samples were properly cooled, and the extraction was performed outside the extraction technical holding time (HT), but inside the CLP Statement of Work holding time. None of the SIM results were qualified due to HT.

Associated Samples: JLW01, JLW09, JLW23, JLW27, JLW29, JLW31, JLW33, JLW35, JLW37, JLW39, JLW41, JLW43, JLW45, JLW54

Defective Analyte	Defective Samples/Analyses
None	JLW01, JLW09, JLW23, JLW27, JLW29, JLW31, JLW33, JLW35, JLW37, JLW39, JLW41, JLW43, JLW45, JLW54

Target Analyte Quantitation

Test Name: EXES-790
Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: JLW05, JLW54

Defective Analyte	Defective Samples/Analyses
Naphthalene	JLW54
2-Methylnaphthalene	JLW54
Pentachlorophenol	JLW05

Method - Trace Volatiles

ContinuingCalibrationVerification

Test Name: EXES-1209
Defect Message: The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Nondetects are qualified as estimated UJ.

Associated Samples: JLTZ7, JLW05, JLW07, JLW55, VBLKBD

Defective Analyte	Defective Samples/Analyses
trans-1,3-Dichloropropene	VSTD005BO

DMC_Surrogates

Test Name: EXES-982
Defect Message: The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria Detects are qualified as estimated J. Use professional judgment to qualify nondetects.

Associated Samples: JLW29, JLW31, JLW33, JLW54, JLW57

Defective Analyte	Defective Samples/Analyses
2-Butanone-d5	JLW29, JLW31, JLW33, JLW54, JLW57

TargetAnalyteQuantitation

Test Name: EXES-790
Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: JLTZ7, JLW05, JLW29, JLW33, JLW54, JLW55, JLW56, JLW57, VBLKBD

Defective Analyte	Defective Samples/Analyses
Chloromethane	JLW05
Acetone	JLW29, JLW33, JLW54
Methylene chloride	JLW55, JLW56, JLW57
cis-1,2-Dichloroethene	JLW55
Chloroform	JLW55, JLW56, JLW57
Tetrachloroethene	JLTZ7
Isopropylbenzene	JLW54
1,4-Dichlorobenzene	JLW05, JLW55, JLW56, JLW57

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTZ7	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL01GW	pH: 7	Sample Date: 09/09/2020	Sample Time: 12:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTZ7	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL01GW	pH: 7	Sample Date: 09/09/2020	Sample Time: 12:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTZ7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL01GW	pH: 2	Sample Date: 09/09/2020	Sample Time: 12:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.20	JQ	ug/L	0.20	J	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW01	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: TP3GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 09:19:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Unknown-01	TIC	2.8	R	ug/L	2.8	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW01	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: TP3GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 09:19:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW05	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL05GW	pH: 7	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW05	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL05GW	pH: 7	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.061	JQ	ug/L	0.061	J	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW05	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL05GW	pH: 2	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.12	JQ	ug/L	0.12	J	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.040	JQ	ug/L	0.040	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW07	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL06GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW07	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL06GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW07	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL06GW	pH: 2	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW09	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL07GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Unknown-01	TIC	3.4	R	ug/L	3.4	J	1.0	NO	NV
Unknown-02	TIC	2.9	R	ug/L	2.9	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW09	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL07GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW09	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL07GW	pH: 2	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW23	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL15GW	pH: 7	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW23	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL15GW	pH: 7	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW23	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL15GW	pH: 2	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW27	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL18GW	pH: 7	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	1.2	JQ	ug/L	1.2	J	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Unknown-01	TIC	2.1	R	ug/L	2.1	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW27	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL18GW	pH: 7	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW27	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL18GW	pH: 2	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW29	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL20GW	pH: 7	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Unknown-01	TIC	2.2	R	ug/L	2.2	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW29	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL20GW	pH: 7	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW29	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL20GW	pH: 2	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	3.4	JQ	ug/L	3.4	J	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW31	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL21GW	pH: 7	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Unknown-01	TIC	2.1	R	ug/L	2.1	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW31	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL21GW	pH: 7	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW31	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL21GW	pH: 2	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW33	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL22GW	pH: 7	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Cyclopentasiloxane, decamethyl-	TIC	2.5	R	ug/L	2.5	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW33	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL22GW	pH: 7	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW33	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: SL22GW	pH: 2	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	3.0	JQ	ug/L	3.0	J	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW35	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: TP23GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 10:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Unknown-01	TIC	2.2	R	ug/L	2.2	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW35	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: TP23GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 10:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW37	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: TP25GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 16:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Octadecanoic acid	TIC	2.8	R	ug/L	2.8	NJ	1.0	NO	NV
Unknown-01	TIC	2.9	R	ug/L	2.9	J	1.0	NO	NV
Unknown-02	TIC	2.6	R	ug/L	2.6	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW37	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: TP25GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 16:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW39	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: PD01SW	pH: 7	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW39	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: PD01SW	pH: 7	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW41	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: PD05SW	pH: 7	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW41	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: PD05SW	pH: 7	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW43	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: PD06SW	pH: 7	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW43	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: PD06SW	pH: 7	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW45	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: PD09SW	pH: 7	Sample Date: 09/12/2020	Sample Time: 11:24:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	2.4	R	ug/L	2.4	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW45	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: PD09SW	pH: 7	Sample Date: 09/12/2020	Sample Time: 11:24:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW54	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: OP01GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Chrysene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.2	R	ug/L	5.2	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Cyclopentasiloxane, decamethyl-	TIC	2.6	R	ug/L	2.6	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW54	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: OP01GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.035	JQ	ug/L	0.035	J	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.020	JQ	ug/L	0.020	J	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	U	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW54	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: OP01GW	pH: 2	Sample Date: 09/13/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	4.1	JQ	ug/L	4.1	J	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.77		ug/L	0.77		1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.15	JQ	ug/L	0.15	J	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Unknown Alkane-06	TIC	2.8	R	ug/L	2.8	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-03	TIC	0.88	R	ug/L	0.88	J	1.0	NO	NV
Unknown Alkane-02	TIC	1.6	R	ug/L	1.6	J	1.0	NO	NV
Unknown Alkane-08	TIC	1.0	R	ug/L	1.0	J	1.0	NO	NV
Unknown-06	TIC	1.2	R	ug/L	1.2	J	1.0	NO	NV
Unknown-09	TIC	1.4	R	ug/L	1.4	J	1.0	NO	NV
Unknown-01	TIC	1.3	R	ug/L	1.3	J	1.0	NO	NV
Unknown-04	TIC	1.5	R	ug/L	1.5	J	1.0	NO	NV
Unknown-08	TIC	1.6	R	ug/L	1.6	J	1.0	NO	NV
Benzene, 1-methyl-4-(2-propenyl)-	TIC	0.85	R	ug/L	0.85	NJ	1.0	NO	NV
Unknown Alkane-014	TIC	1.2	R	ug/L	1.2	J	1.0	NO	NV
Unknown-11	TIC	1.2	R	ug/L	1.2	J	1.0	NO	NV
Unknown Alkane-03	TIC	1.3	R	ug/L	1.3	J	1.0	NO	NV
Unknown Alkane-09	TIC	1.5	R	ug/L	1.5	J	1.0	NO	NV
Unknown Alkane-012	TIC	7.3	R	ug/L	7.3	J	1.0	NO	NV
Unknown-05	TIC	1.4	R	ug/L	1.4	J	1.0	NO	NV
Unknown-07	TIC	1.7	R	ug/L	1.7	J	1.0	NO	NV
Unknown Alkane-010	TIC	3.5	R	ug/L	3.5	J	1.0	NO	NV
Unknown Alkane-04	TIC	0.76	R	ug/L	0.76	J	1.0	NO	NV
Unknown Alkane-013	TIC	1.8	R	ug/L	1.8	J	1.0	NO	NV
Unknown-10	TIC	0.96	R	ug/L	0.96	J	1.0	NO	NV
Unknown Alkane-05	TIC	1.0	R	ug/L	1.0	J	1.0	NO	NV
Unknown Alkane-07	TIC	4.2	R	ug/L	4.2	J	1.0	NO	NV
Unknown-02	TIC	0.88	R	ug/L	0.88	J	1.0	NO	NV
Unknown Alkane-011	TIC	1.2	R	ug/L	1.2	J	1.0	NO	NV
Benzene, 1-ethyl-2,3-dimethyl-	TIC	0.95	R	ug/L	0.95	NJ	1.0	NO	NV
Unknown Alkane-01	TIC	0.85	R	ug/L	0.85	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW55	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB01WT	pH: 2	Sample Date: 09/10/2020	Sample Time: 16:47:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.21	JQ	ug/L	0.21	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.17	JQ	ug/L	0.17	J	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.25	JQ	ug/L	0.25	JB	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.23	JQ	ug/L	0.23	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW56	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB02WT	pH: 2	Sample Date: 09/13/2020	Sample Time: 18:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.17	JQ	ug/L	0.17	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.18	JQ	ug/L	0.18	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.23	JQ	ug/L	0.23	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW57	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB03WT	pH: 2	Sample Date: 09/13/2020	Sample Time: 18:25:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.16	JQ	ug/L	0.16	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.18	JQ	ug/L	0.18	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.20	JQ	ug/L	0.20	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK16	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	13	R	ug/L	13	J	1.0	NO	NV
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	13	R	ug/L	13	NJ	1.0	NO	NV
Unknown-02	TIC	7.0	R	ug/L	7.0	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK28	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	3.1	R	ug/L	3.1	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK29	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK80	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK83	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKBD	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.093	J	ug/L	0.093	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKFM	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKGI	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ7** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project	GroupID: 49090/EPW14035/JLTZ7	Lab Name: Pace Analytical Services, LLC

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:04:47

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ7

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007589

Organization: EPA Region 10

SOW: SOM02.4

Method - Trace Volatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTZ7	FS	Water	Trace	09/09/2020 12:32:00	09/11/2020 11:15:00			Purge_and_Trap	09/17/2020 12:36:00	Initial	09/17/2020 12:36:00	DB-624	Agilent_8860 / 5977B_MSD18
JLW05	FS	Water	Trace	09/09/2020 17:51:00	09/12/2020 09:50:00			Purge_and_Trap	09/17/2020 13:03:00	Initial	09/17/2020 13:03:00	DB-624	Agilent_8860 / 5977B_MSD18
JLW07	FS	Water	Trace	09/10/2020 09:34:00	09/12/2020 09:50:00			Purge_and_Trap	09/17/2020 13:55:00	Initial	09/17/2020 13:55:00	DB-624	Agilent_8860 / 5977B_MSD18
JLW09	FS	Water	Trace	09/10/2020 12:17:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 10:16:00	Initial	09/23/2020 10:16:00	DB-624	Agilent__MSD8
JLW55	FB	Water	Trace	09/10/2020 16:47:00	09/12/2020 09:50:00			Purge_and_Trap	09/17/2020 14:47:00	Initial	09/17/2020 14:47:00	DB-624	Agilent_8860 / 5977B_MSD18
JLW23	FS	Water	Trace	09/11/2020 11:16:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 10:43:00	Initial	09/23/2020 10:43:00	DB-624	Agilent__MSD8
JLW29	FS	Water	Trace	09/11/2020 15:34:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 12:02:00	Initial	09/23/2020 12:02:00	DB-624	Agilent__MSD8
JLW27	FS	Water	Trace	09/12/2020 11:10:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 11:09:00	Initial	09/23/2020 11:09:00	DB-624	Agilent__MSD8
JLW31	FS	Water	Trace	09/12/2020 12:40:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 12:29:00	Initial	09/23/2020 12:29:00	DB-624	Agilent__MSD8
JLW33	FS	Water	Trace	09/12/2020 14:00:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 12:55:00	Initial	09/23/2020 12:55:00	DB-624	Agilent__MSD8
JLW54	FS	Water	Trace	09/13/2020 12:51:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 13:48:00	Initial	09/23/2020 13:48:00	DB-624	Agilent__MSD8
JLW56	FB	Water	Trace	09/13/2020 18:15:00	09/16/2020 11:34:00			Purge_and_Trap	09/23/2020 11:36:00	Initial	09/23/2020 11:36:00	DB-624	Agilent__MSD8
JLW57	FB	Water	Trace	09/13/2020 18:25:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 13:22:00	Initial	09/23/2020 13:22:00	DB-624	Agilent__MSD8

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:04:47

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ7

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007589

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTZ7	FS	Water	Low	09/09/2020 12:32:00	09/11/2020 11:15:00			Liq_Liq	09/16/2020 16:00:00	Initial	09/25/2020 21:02:00	Zebron ZB-SV	Agilent__MSD12
JLW05	FS	Water	Low	09/09/2020 17:51:00	09/12/2020 09:50:00			Liq_Liq	09/16/2020 16:00:00	Initial	09/25/2020 21:31:00	Zebron ZB-SV	Agilent__MSD12
JLW07	FS	Water	Low	09/10/2020 09:34:00	09/12/2020 09:50:00			Liq_Liq	09/16/2020 16:00:00	Initial	09/25/2020 22:00:00	Zebron ZB-SV	Agilent__MSD12
JLW09	FS	Water	Low	09/10/2020 12:17:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 16:26:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/25/2020 22:58:00	Zebron ZB-SV	Agilent__MSD12
JLW23	FS	Water	Low	09/11/2020 11:16:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/25/2020 23:27:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 16:55:00	Zebron ZB-SV	Agilent__MSD12
JLW29	FS	Water	Low	09/11/2020 15:34:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 17:24:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/25/2020 23:55:00	Zebron ZB-SV	Agilent__MSD12
JLW39	FS	Water	Low	09/11/2020 17:18:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 17:52:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 00:24:00	Zebron ZB-SV	Agilent__MSD12
JLW41	FS	Water	Low	09/12/2020 10:02:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 02:47:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 20:16:00	Zebron ZB-SV	Agilent__MSD12
JLW27	FS	Water	Low	09/12/2020 11:10:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 18:50:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 01:22:00	Zebron ZB-SV	Agilent__MSD12
JLW45	FS	Water	Low	09/12/2020 11:24:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 20:44:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 03:16:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:04:47

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ7

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007589

Organization: EPA Region 10

SOW: SOM02.4

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW31	FS	Water	Low	09/12/2020 12:40:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 19:18:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 01:50:00	Zebron ZB-SV	Agilent__MSD12
JLW43	FS	Water	Low	09/12/2020 12:59:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 00:53:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 18:21:00	Zebron ZB-SV	Agilent__MSD12
JLW33	FS	Water	Low	09/12/2020 14:00:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 02:19:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 19:47:00	Zebron ZB-SV	Agilent__MSD12
JLW01	FS	Water	Low	09/13/2020 09:19:00	09/17/2020 11:25:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 22:10:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 04:41:00	Zebron ZB-SV	Agilent__MSD12
JLW54	FS	Water	Low	09/13/2020 12:51:00	09/17/2020 11:25:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 03:44:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 21:13:00	Zebron ZB-SV	Agilent__MSD12
JLW37	FS	Water	Low	09/13/2020 16:20:00	09/17/2020 11:25:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 04:13:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 21:41:00	Zebron ZB-SV	Agilent__MSD12
JLW35	FS	Water	Low	09/14/2020 10:35:00	09/17/2020 11:25:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 22:38:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 05:10:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:04:47

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ7

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007589

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLTZ7	FS	Water	Low	09/09/2020 12:32:00	09/11/2020 11:15:00			Liq_Liq	09/14/2020 14:15:00	Initial	09/17/2020 13:57:00	Zebron ZB-SV	Agilent__MSD4
JLW05	FS	Water	Low	09/09/2020 17:51:00	09/12/2020 09:50:00			Liq_Liq	09/14/2020 14:15:00	Initial	09/17/2020 14:24:00	Zebron ZB-SV	Agilent__MSD4
JLW07	FS	Water	Low	09/10/2020 09:34:00	09/12/2020 09:50:00			Liq_Liq	09/14/2020 14:15:00	Initial	09/17/2020 14:51:00	Zebron ZB-SV	Agilent__MSD4
JLW09	FS	Water	Low	09/10/2020 12:17:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 18:03:00	Zebron ZB-SV	Agilent__MSD4
JLW23	FS	Water	Low	09/11/2020 11:16:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 18:29:00	Zebron ZB-SV	Agilent__MSD4
JLW29	FS	Water	Low	09/11/2020 15:34:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 18:56:00	Zebron ZB-SV	Agilent__MSD4
JLW39	FS	Water	Low	09/11/2020 17:18:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 19:23:00	Zebron ZB-SV	Agilent__MSD4
JLW41	FS	Water	Low	09/12/2020 10:02:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 21:35:00	Zebron ZB-SV	Agilent__MSD4
JLW27	FS	Water	Low	09/12/2020 11:10:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 20:16:00	Zebron ZB-SV	Agilent__MSD4
JLW45	FS	Water	Low	09/12/2020 11:24:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 22:02:00	Zebron ZB-SV	Agilent__MSD4
JLW31	FS	Water	Low	09/12/2020 12:40:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 20:42:00	Zebron ZB-SV	Agilent__MSD4
JLW43	FS	Water	Low	09/12/2020 12:59:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 19:49:00	Zebron ZB-SV	Agilent__MSD4
JLW33	FS	Water	Low	09/12/2020 14:00:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 21:09:00	Zebron ZB-SV	Agilent__MSD4
JLW01	FS	Water	Low	09/13/2020 09:19:00	09/17/2020 11:25:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 23:21:00	Zebron ZB-SV	Agilent__MSD4
JLW54	FS	Water	Low	09/13/2020 12:51:00	09/17/2020 11:25:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 22:28:00	Zebron ZB-SV	Agilent__MSD4
JLW37	FS	Water	Low	09/13/2020 16:20:00	09/17/2020 11:25:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 22:55:00	Zebron ZB-SV	Agilent__MSD4
JLW35	FS	Water	Low	09/14/2020 10:35:00	09/17/2020 11:25:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/22/2020 23:48:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project	**GroupID: 49090/EPW14035/JLTZ7**	**Lab Name: Pace Analytical Services, LLC**
Submission Group Id: 32007589	**Organization: EPA Region 10**	**SOW: SOM02.4**

MEMORANDUM

DATE: November 3, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 8 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Organic Compounds, Trace VOA (7 samples) and SVOCs / SIM (8 samples) by Pace Analytical Services, LLC, located in West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

JLTZ9	JLW13	JLW15	JLW17	JLW19
JLW47	JLW50	JLW51		

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

OFFICE OF
Lab Services & Applied
Science Division

Date: November 3, 2020

Reply to:
Attn of: LSASD-14-D12

MEMORANDUM

Subject: Data Validation Report for the Organic Analyses of the water samples collected from the Former Western States Plywood Cooperative Mill Brownfields Site located in Port Orford, Oregon.
Case Number: 49090 SDG: JLTZ9

From: Raymond Wu, QA Chemist
Environmental Characterization Branch
Quality Assurance Section
Office of Laboratory Services & Applied Science Division (LSASD – 14D12),
USEPA Region 10

To: Brandon Perkins, EPA Task Monitor
Emergency Management Branch,
Spill Prevention & Removal Section
Office of Superfund & Emergency Management Division (SEMD – 13J07),
USEPA Region 10

CC: Derek Pulvino, Project Manager
Ecology and Environment, Inc.
Seattle, WA

The quality assurance (QA) review of the analytical data generated from the analysis of eight water samples collected from the above referenced site has been completed. These samples were analyzed for Organic Compounds, Trace VOA (7 samples), SVOCs / SIM (8 samples). All samples were analyzed by Pace Analytical Services, LLC (formerly known as Shealy Environmental Services) located in West Columbia, South Carolina. When multiple analytical runs were conducted (i.e., dilution, reanalysis, SIM, etc.), the run with reportable results has been indicated by the reviewer.

All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM). The validations were conducted and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the Quality Assurance Project Plan (QAPP) for the Former Western States Plywood SQAP dated July, 2020, the technical specifications of USEPA CLP SOW for Organic Data Review (SOM02.4, 10/2016), for VOA, SVOC & SVOC-SIM, the Contract Laboratory Program's National Functional Guidelines for Organic Data Review (EPA-540-R-2017-002, 01/2017) and the Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R08-005).

Some data qualifiers might have been adjusted using the reviewer's professional judgment and project specific criteria. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the reviewed data.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Also, It appears that the lab may have neglected to spike Deuterated Monitoring Compounds (DMC) into the initial extraction of samples JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50 & JLW51 and the associated blanks for SVOC analysis.

The re-extraction analyses provided similar SVOC results for these samples as the original analyses. Therefore, SVOC results reported from these initial & rerun analyses are reported qualified as appropriate (i.e. J/UJ) but not rejected for low DMC recovery. SVOC results reported from these analyses are qualified for extraction past the technical holding time and / or the CLP statement of work holding time.

All SVOC-SIM samples were extracted within CLP Statement of Work time requirements. As the result, no SIM results were qualified based on Holding Time.

Water Trace Volatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration Verification	N	Min. RRF: 0.010 to 0.700‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.700‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	N	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Tables 4(Trace VOC) for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

Water Semivolatile Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Holding Time	Y*	7 day (for extraction) or 40 days (for analysis)
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

Water Trace SIM Organic Analysis		
Quality Control Test	**Outliers?**	**Evaluation Criteria**
Blanks	N	Non-detect or < 5X Blank†
Initial Calibration	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	N	Varies by Compound
Matrix Spike & Spike Duplicate	NA	%R or RPD ≥ Upper Acceptable Limit or ≤ Lower Acceptable Limit
Internal Standards	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic CLP NFG Tables 34(SVOC) for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review" section of this report.

Control Required Quantitation Limits: Sample data with values reported below the CRQL are qualified J.

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s) when needed to indicate associated out-of-control QA/QC results.

U	The analyte was not detected at or above the reported result.
J	The analyte was positively identified. The associated numerical result is an estimate.
UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
R	The data are unusable for all purposes.
Q	The result is estimated because the concentration is below the contract required Quantitation Limit (CRQLs)

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

HoldingTimes_Preservation

Method - Semivolatiles

Test Name: EXES-84
Defect Message: The following aqueous samples are properly cooled, and the extraction is performed outside the extraction technical holding time or the extract is analyzed outside the analysis technical holding time. Qualify detects and nondetects as J/UJ.

Associated Samples: JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51

Defective Analyte	Defective Samples/Analyses
	JLTZ9, JLTZ9[Reanalysis-01], JLW13, JLW13[Reanalysis-01], JLW15, JLW15[Reanalysis-01], JLW17[Reanalysis-01], JLW17, JLW19, JLW19[Reanalysis-01], JLW47[Reanalysis-01], JLW47, JLW50, JLW50[Reanalysis-01], JLW51, JLW51[Reanalysis-01]

DMC_Surrogate

Method - Semivolatiles

Test Name: EXES-225
Defect Message: The following undiluted sample analyses have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J. Nondetects are qualified as UJ.

Associated Samples: JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51

Defective Analyte	Defective Samples/Analyses
1,4-Dioxane-d8	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
bis-(2-chloroethyl)ether-d8	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
2-Chlorophenol-d4	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
4-Methylphenol-d8	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Nitrobenzene-d5	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
2-Nitrophenol-d4	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
2,4-Dichlorophenol-d3	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Dimethylphthalate-d6	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Fluorene-d10	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Anthracene-d10	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Pyrene-d10	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Benzo(a)pyrene-d12	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47[Reanalysis-01], JLW47, JLW50, JLW51

Test Name: EXES-226
Defect Message: The following undiluted sample analyses have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Nondetects are qualified as estimated UJ.

Associated Samples: JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51

Defective Analyte	Defective Samples/Analyses
Phenol-d5	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
4-Chloroaniline-d4	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
Acenaphthylene-d8	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
4-Nitrophenol-d4	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51
4,6-Dinitro-2-methylphenol-d2	JLTZ9, JLW13, JLW15, JLW17, JLW19, JLW47, JLW50, JLW51

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTZ9	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: EW01GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 14:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	2.4	R	ug/L	2.4	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTZ9	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: EW01GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 14:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLTZ9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: EW01GW	pH: 2	Sample Date: 09/14/2020	Sample Time: 14:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW13	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: TP11GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 11:06:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Unknown-01	TIC	2.7	R	ug/L	2.7	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW13	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: TP11GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 11:06:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW13	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TP11GW	pH: 2	Sample Date: 09/13/2020	Sample Time: 11:06:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW15	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: TP12GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 14:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Unknown-01	TIC	3.9	R	ug/L	3.9	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW15	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: TP12GW	pH: 7	Sample Date: 09/13/2020	Sample Time: 14:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW15	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TP12GW	pH: 2	Sample Date: 09/13/2020	Sample Time: 14:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW17	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: TP13GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 12:24:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Unknown-01	TIC	2.1	R	ug/L	2.1	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW17	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: TP13GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 12:24:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW17	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TP13GW	pH: 2	Sample Date: 09/14/2020	Sample Time: 12:24:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW19	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: EW02GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 15:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW19	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: EW02GW	pH: 7	Sample Date: 09/14/2020	Sample Time: 15:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW19	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: EW02GW	pH: 2	Sample Date: 09/14/2020	Sample Time: 15:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW47	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: ID01WT	pH: 7	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW47	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: ID01WT	pH: 7	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.087	JQ	ug/L	0.087	J	1.0	YES	S4VEM
Phenanthrene	Target	0.032	JQ	ug/L	0.032	J	1.0	YES	S4VEM
Anthracene	Target	0.016	JQ	ug/L	0.016	J	1.0	YES	S4VEM
Fluoranthene	Target	0.056	JQ	ug/L	0.056	J	1.0	YES	S4VEM
Pyrene	Target	0.047	JQ	ug/L	0.047	J	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.028	JQ	ug/L	0.028	J	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW47	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: ID01WT	pH: 2	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.28	JQ	ug/L	0.28	J	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	9.5		ug/L	9.5		1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	18		ug/L	18		1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.11	JQ	ug/L	0.11	J	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.11	JQ	ug/L	0.11	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Unknown-03	TIC	2.0	J	ug/L	2.0	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-06	TIC	5.1	J	ug/L	5.1	J	1.0	NO	NV
Furan, 2-butyltetrahydro-	TIC	0.79	NJ	ug/L	0.79	NJ	1.0	NO	NV
Unknown-07	TIC	1.0	J	ug/L	1.0	J	1.0	NO	NV
Unknown-02	TIC	1.1	J	ug/L	1.1	J	1.0	NO	NV
Unknown-04	TIC	2.4	J	ug/L	2.4	J	1.0	NO	NV
Pentane	TIC	1.3	NJ	ug/L	1.3	NJ	1.0	NO	NV
Unknown-08	TIC	0.63	J	ug/L	0.63	J	1.0	NO	NV
Butanal	TIC	0.64	NJ	ug/L	0.64	NJ	1.0	NO	NV
Unknown-10	TIC	0.60	J	ug/L	0.60	J	1.0	NO	NV
Unknown-11	TIC	0.52	J	ug/L	0.52	J	1.0	NO	NV
Decanal	TIC	1.2	NJ	ug/L	1.2	NJ	1.0	NO	NV
Unknown-12	TIC	0.62	J	ug/L	0.62	J	1.0	NO	NV
n-Hexane	TIC	1.4	NJ	ug/L	1.4	NJ	1.0	NO	NV
Heptane	TIC	0.91	NJ	ug/L	0.91	NJ	1.0	NO	NV
Unknown-01	TIC	0.92	J	ug/L	0.92	J	1.0	NO	NV
Octanal	TIC	6.1	NJ	ug/L	6.1	NJ	1.0	NO	NV
Unknown-09	TIC	3.0	J	ug/L	3.0	J	1.0	NO	NV
1-Hexene	TIC	0.51	NJ	ug/L	0.51	NJ	1.0	NO	NV
Octane	TIC	0.62	NJ	ug/L	0.62	NJ	1.0	NO	NV
Heptanal	TIC	2.6	NJ	ug/L	2.6	NJ	1.0	NO	NV
Unknown-05	TIC	3.5	J	ug/L	3.5	J	1.0	NO	NV
Nonanal	TIC	6.5	NJ	ug/L	6.5	NJ	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW50	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: RI03WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Chrysene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.1	R	ug/L	5.1	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW50	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: RI03WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW50	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: RI03WT	pH: 2	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.16	JQ	ug/L	0.16	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.37	JQ	ug/L	0.37	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW51	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: RI04WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW51	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: RI04WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK56	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK74	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK75	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Phenanthrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	R	ug/L	10	U	1.0	NO	S4VEM
Pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Chrysene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(k)fluoranthene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(a)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
Benzo(g,h,i)perylene	Target	5.0	R	ug/L	5.0	U	1.0	NO	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	2.1	R	ug/L	2.1	J	1.0	NO	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKGI	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLTZ9** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project	GroupID: 49090/EPW14035/JLTZ9	Lab Name: Pace Analytical Services, LLC

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:20

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ9

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007590

Organization: EPA Region 10

SOW: SOM02.4

Method - Trace Volatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW13	FS	Water	Trace	09/13/2020 11:06:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 10:25:00	Initial	09/24/2020 10:25:00	DB-624	Agilent__MSD8
JLW15	FS	Water	Trace	09/13/2020 14:22:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 10:52:00	Initial	09/24/2020 10:52:00	DB-624	Agilent__MSD8
JLW17	FS	Water	Trace	09/14/2020 12:24:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 11:18:00	Initial	09/24/2020 11:18:00	DB-624	Agilent__MSD8
JLTZ9	FS	Water	Trace	09/14/2020 14:05:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 09:59:00	Initial	09/24/2020 09:59:00	DB-624	Agilent__MSD8
JLW19	FS	Water	Trace	09/14/2020 15:35:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 11:45:00	Initial	09/24/2020 11:45:00	DB-624	Agilent__MSD8
JLW50	FS	Water	Trace	09/14/2020 17:05:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 12:38:00	Initial	09/24/2020 12:38:00	DB-624	Agilent__MSD8
JLW47	FS	Water	Trace	09/15/2020 10:00:00	09/17/2020 11:25:00			Purge_and_Trap	09/24/2020 12:11:00	Initial	09/24/2020 12:11:00	DB-624	Agilent__MSD8

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:20

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ9

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007590

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW13	FS	Water	Low	09/13/2020 11:06:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 16:01:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 01:27:00	Zebron ZB-SV	Agilent__MSD12
JLW15	FS	Water	Low	09/13/2020 14:22:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 16:30:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 01:55:00	Zebron ZB-SV	Agilent__MSD12
JLW17	FS	Water	Low	09/14/2020 12:24:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 16:59:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 02:23:00	Zebron ZB-SV	Agilent__MSD12
JLTZ9	FS	Water	Low	09/14/2020 14:05:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 15:32:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 00:59:00	Zebron ZB-SV	Agilent__MSD12
JLW19	FS	Water	Low	09/14/2020 15:35:00	09/17/2020 11:25:00			Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 02:52:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 17:28:00	Zebron ZB-SV	Agilent__MSD12
JLW50	FS	Water	Low	09/14/2020 17:05:00	09/17/2020 11:25:00			Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 03:48:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 18:26:00	Zebron ZB-SV	Agilent__MSD12
JLW51	FS	Water	Low	09/14/2020 17:10:00	09/17/2020 11:25:00			Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 04:16:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 18:55:00	Zebron ZB-SV	Agilent__MSD12
JLW47	FS	Water	Low	09/15/2020 10:00:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 17:57:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	10/01/2020 17:44:00	Reanalysis-01	10/03/2020 03:20:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Wed, 14 Oct 2020 14:06:20

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLTZ9

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 32007590

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW13	FS	Water	Low	09/13/2020 11:06:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 14:15:00	Zebron ZB-SV	Agilent__MSD4
JLW15	FS	Water	Low	09/13/2020 14:22:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 14:42:00	Zebron ZB-SV	Agilent__MSD4
JLW17	FS	Water	Low	09/14/2020 12:24:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 15:09:00	Zebron ZB-SV	Agilent__MSD4
JLTZ9	FS	Water	Low	09/14/2020 14:05:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 13:48:00	Zebron ZB-SV	Agilent__MSD4
JLW19	FS	Water	Low	09/14/2020 15:35:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 15:35:00	Zebron ZB-SV	Agilent__MSD4
JLW50	FS	Water	Low	09/14/2020 17:05:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 16:29:00	Zebron ZB-SV	Agilent__MSD4
JLW51	FS	Water	Low	09/14/2020 17:10:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 16:56:00	Zebron ZB-SV	Agilent__MSD4
JLW47	FS	Water	Low	09/15/2020 10:00:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 16:02:00	Zebron ZB-SV	Agilent__MSD4

MEMORANDUM

DATE: November 2, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of three water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for semivolatile organic compound (SVOC), SVOC SIM, and aroclors; and two were analyzed also for trace volatile organics (VOCs) at Pace Analytical Services, West Columbia, South Carolina, following EPA CLP SOW SOM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

JLW11 JLW48 JLW49

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services and
Applied Science Division
(LSASD)

October 30, 2020

MEMORANDUM

Subject: Data Validation Report for the Former Western States Plywood Coop Mill, Case #49090, SDG: JLW11 – Organic Analyses

KARIN FEDDERSEN-LETHE Digitally signed by KARIN FEDDERSEN-LETHE Date: 2020.10.30 10:39:12 -07'00'

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Linda Ader, Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of three water samples collected from the above-referenced site, has been completed. All three samples were analyzed for semivolatile organic compound (SVOC), SVOC SIM, and aroclors; and two were analyzed also for trace volatile organic (VOC) by Pace Analytical Services, LLC, located in West Columbia, SC. When multiple analyses were conducted for the same sample (i.e., dilution, reanalysis, SIM), the analysis with reportable results has been indicated by the reviewer. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- Modified Analysis Request Reference Number 2901.2;
- USEPA Contract Laboratory Program (CLP) Statement of Work for (SOW) Organic Superfund Methods Multi-Media, Multi-Concentration (SOM02.4);
- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (EPA-540-R-2017-002); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment and Region 10 guidance. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The lab neglected to spike SVOA Deuterated Monitoring Compounds (DMC) into the SVOA samples and associated method blank prior to extraction. The samples were re-extracted. Both the initial extractions and the re-extractions were performed outside technical holding times. As recoveries were acceptable in the re-extractions, SVOA sample results were qualified as estimates, but not rejected.

The results between the columns exceeded 25% difference for Aroclor-1260 in the Laboratory Control Sample. This deviation affects bias of detected results only. As no Aroclor-1260 was detected in any samples, no qualification was applied.

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Trace Volatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	N	N	Sample cooler temperature ≤10 °C upon receipt. Waters pH<2 and analyzed within 14 days.
Blanks	N	N	Non-detect or sample > 5X Blank†
Initial Calibration	N	N	Min. RRF: 0.010 to 0.600‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.600‡ and Max. Opening %D: 20% to 40%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	N	N	Varies by Compound
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
†10X Blank for ketones, solvents, or common laboratory contaminants.
‡Varies by compound. See Organic NFG Table 16 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	Y*	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 7 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 5X Blank†
Initial Calibration	Y	N	Min. RRF: 0.010 to 0.500‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.500‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	Y	Y*	Varies by Compound Revised advisory limits for 1,4-Dioxane-d8: 15% to 120%
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.

†10X Blank for ketones, solvents, or common laboratory contaminants.

‡Varies by compound. See Organic CLP NFG Table 30 for individual compound acceptance criteria.

(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Semivolatile Organic SIM Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	Y	Y*	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 7 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 5X Blank
Initial Calibration	N	N	Min. RRF: 0.010 to 0.900‡ and Max. %RSD: 20% to 40%‡
Continuing Calibration Verification	N	N	Min. RRF: 0.010 to 0.900‡ and Max. Opening %D: 20% to 50%‡ Max. Closing %D: 25% to 50%‡
Deuterated Monitoring Compounds	N	N	Varies by Compound
Internal Standards	N	N	50 – 200% of 12-hour standard

*See the Data Qualifications section below for outliers and qualification of affected data.
‡Varies by compound. See Organic NFG Table 30 for individual compound acceptance criteria.
(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

Aroclor Organic Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Preservation and Holding Times	N	N	Sample cooler temperature ≤6 °C upon receipt and during storage at the laboratory; extracted within 7 days and analyzed within 40 days
Blanks	N	N	Non-detect or sample > 10X Blank
Initial Calibration	N	N	≤ 20% RSD
Continuing Calibration Verification	N	N	Open: ≤ 25% D, Close: ≤ 50% D
Surrogate Spikes	N	N	30 – 150%
Laboratory Control Samples	N	N	50 – 150%
Matrix Spikes	N	N	Varies by Compound
Target Compound Identification	Y	N	≤ 25% D (J); >60% D (U)

*See the Data Qualifications section below for outliers and qualification of affected data. (Note:
RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
JN or NJ	There is evidence that the analyte is present. The associated numerical result is an estimate.
Q	Detected concentration is below the MRL / CRQL but is above the MDL.

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

TRACE VOLATILE ORGANICS ANALYSIS	
Detection Limit Qualification Summary	
The following samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified JQ. Non-detected compounds are not qualified.	
Methylene chloride	JLW48, JLW49
Chloroform	JLW48, JLW49
1,4-Dichlorobenzene	JLW48, JLW49

SEMIVOLATILE ORGANICS ANALYSIS	
Holding Time Qualification Summary	
The following samples are outside holding time criteria (i.e., greater than 7 days from sample collection to sample analysis). Detected compounds are qualified J. Non-detected compounds are qualified UJ.	
JLW11, JLW48, JLW49	
Deuterated Monitoring Compound Qualification Summary	
The following samples have DMC recoveries below the lower limit of the criteria window. Detected compounds associated with the DMC are qualified J. Non-detected compounds associated with the DMC are qualified UJ.	
All	JLW11, JLW48, JLW49, SBLK75

SEMIVOLATILE SIM ORGANICS ANALYSIS
Holding Time Qualification Summary
The following samples are outside holding time criteria (i.e., greater than 7 days from sample collection to sample analysis). Detected compounds are qualified J. Non-detected compounds are qualified UJ.
JLW11, JLW48, JLW49

AROCLOR ANALYSIS
No qualification was applied

Data Validation Report
Analytical Sample Listing

Thu, 8 Oct 2020 16:18:39

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLW11

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31995481

Organization: EPA Region 10

SOW: SOM02.4

Method - Trace Volatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW48	FS	Water	Trace	09/14/2020 16:55:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 14:15:00	Initial	09/23/2020 14:15:00	DB-624	Agilent__MSD8
JLW49	FS	Water	Trace	09/14/2020 17:00:00	09/17/2020 11:25:00			Purge_and_Trap	09/23/2020 14:41:00	Initial	09/23/2020 14:41:00	DB-624	Agilent__MSD8

Data Validation Report
Analytical Sample Listing

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLW11

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31995481

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW11	FS	Water	Low	09/10/2020 14:21:00	09/16/2020 11:34:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 23:06:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/21/2020 15:30:00	Initial	09/26/2020 05:38:00	Zebron ZB-SV	Agilent__MSD12
JLW48	FS	Water	Low	09/14/2020 16:55:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 14:34:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	10/02/2020 16:38:00	Reanalysis-01	10/05/2020 11:00:00	Zebron ZB-SV	Agilent__MSD12
JLW49	FS	Water	Low	09/14/2020 17:00:00	09/17/2020 11:25:00			Liq_Liq	09/30/2020 17:10:00	Reanalysis-01	10/02/2020 23:34:00	Zebron ZB-SV	Agilent__MSD12
								Liq_Liq	09/22/2020 16:30:00	Initial	09/28/2020 15:03:00	Zebron ZB-SV	Agilent__MSD12

Data Validation Report
Analytical Sample Listing

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLW11

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31995481

Organization: EPA Region 10

SOW: SOM02.4

Method - Semivolatiles by SIM

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW11	FS	Water	Low	09/10/2020 14:21:00	09/16/2020 11:34:00			Liq_Liq	09/21/2020 15:30:00	Initial	09/25/2020 11:55:00	Zebron ZB-SV	Agilent__MSD4
JLW48	FS	Water	Low	09/14/2020 16:55:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 12:54:00	Zebron ZB-SV	Agilent__MSD4
JLW49	FS	Water	Low	09/14/2020 17:00:00	09/17/2020 11:25:00			Liq_Liq	09/22/2020 16:30:00	Initial	09/29/2020 13:21:00	Zebron ZB-SV	Agilent__MSD4

Data Validation Report
Analytical Sample Listing

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW14035/JLW11

Lab Name: Pace Analytical Services, LLC

Submission Group Id: 31995481

Organization: EPA Region 10

SOW: SOM02.4

Method - Aroclors

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
JLW11MS	MS	Water	Low	09/10/2020 14:21:00	09/16/2020 11:34:00			Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:09:00	DB-XLB	Agilent_7890B_GC14
								Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:09:00	DB-35MS	Agilent_7890B_GC14
JLW11	FS	Water	Low	09/10/2020 14:21:00	09/16/2020 11:34:00			Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 19:55:00	DB-35MS	Agilent_7890B_GC14
								Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 19:55:00	DB-XLB	Agilent_7890B_GC14
JLW11MSD	MSD	Water	Low	09/10/2020 14:21:00	09/16/2020 11:34:00			Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:23:00	DB-XLB	Agilent_7890B_GC14
								Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:23:00	DB-35MS	Agilent_7890B_GC14
JLW48	FS	Water	Low	09/14/2020 16:55:00	09/17/2020 11:25:00			Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:51:00	DB-XLB	Agilent_7890B_GC14
								Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:51:00	DB-35MS	Agilent_7890B_GC14
JLW49	FS	Water	Low	09/14/2020 17:00:00	09/17/2020 11:25:00			Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:37:00	DB-XLB	Agilent_7890B_GC14
								Sep_Funnel	09/20/2020 16:51:00	Initial	09/22/2020 20:37:00	DB-35MS	Agilent_7890B_GC14

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: ABLK63	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1221	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1260	Spike	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1262	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: ALCS63	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.37	J	ug/L	0.37	J	1.0	YES	S4VEM
Aroclor-1221	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1260	Spike	0.46	JP	ug/L	0.46	JP	1.0	YES	S4VEM
Aroclor-1262	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW11	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location: SL10GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1221	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1260	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1262	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW11	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SL10GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW11	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: SL10GW	pH: 7	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	UJ	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW11MS	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location:	pH: 7	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	1.5		ug/L	1.5		1.0	YES	S4VEM
Aroclor-1221	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1260	Spike	1.8		ug/L	1.8		1.0	YES	S4VEM
Aroclor-1262	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW11MSD	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location:	pH: 7	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	1.4		ug/L	1.4		1.0	YES	S4VEM
Aroclor-1221	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM
Aroclor-1260	Spike	1.8		ug/L	1.8		1.0	YES	S4VEM
Aroclor-1262	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.49	U	ug/L	0.49	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW48	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location: RI01WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1221	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1260	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1262	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW48	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: RI01WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Isophorone	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/L	5.1	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.1	UJ	ug/L	5.1	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW48	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: RI01WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW48	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: RI01WT	pH: 2	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.15	JQ	ug/L	0.15	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.16	JQ	ug/L	0.16	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.35	JQ	ug/L	0.35	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW49	Method: Aroclors	Matrix: Water	MA Number: 2901.2
Sample Location: RI02WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1221	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1232	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1242	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1248	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1254	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1260	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1262	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM
Aroclor-1268	Target	0.48	U	ug/L	0.48	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW49	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: RI02WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	UJ	ug/L	2.1	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Isophorone	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Naphthalene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Acenaphthylene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluorene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target		R	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Anthracene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Fluoranthene	Target		R	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Chrysene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target		R	ug/L	5.2	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.2	UJ	ug/L	5.2	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW49	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location: RI02WT	pH: 7	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.21	UJ	ug/L	0.21	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	UJ	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: JLW49	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: RI02WT	pH: 2	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.17	JQ	ug/L	0.17	J	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.20	JQ	ug/L	0.20	J	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.41	JQ	ug/L	0.41	J	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK16	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
N-(4-Methoxyphenyl)-2-hydroxyimino-aceta	TIC	13	NJ	ug/L	13	NJ	1.0	YES	NV
Unknown-01	TIC	13	J	ug/L	13	J	1.0	YES	NV
Unknown-02	TIC	7.0	J	ug/L	7.0	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK28	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	3.1	J	ug/L	3.1	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK29	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK44	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	U	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK74	Method: Semivolatiles by SIM	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Acenaphthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluorene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	0.20	U	ug/L	0.20	U	1.0	YES	S4VEM
Phenanthrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Chrysene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	0.10	U	ug/L	0.10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: SBLK75	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	YES	S4VEM
Benzaldehyde	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Bis(2-Chloroethyl) ether	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2-Chlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,2'-Oxybis(1-chloropropane)	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acetophenone	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
3-Methylphenol + 4-Methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitroso-di-n propylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Nitrobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Isophorone	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitrophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dimethylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Chloroethoxy)methane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Naphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Hexachlorobutadiene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Caprolactam	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Chloro-3-methylphenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Methylnaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorocyclo-pentadiene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
2,4,6-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4,5-Trichlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,1'-Biphenyl	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Chloronaphthalene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dimethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,6-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Acenaphthylene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Acenaphthene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Dibenzofuran	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,4-Dinitrotoluene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Diethylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluorene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Chlorophenyl-phenyl ether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
N-Nitrosodiphenylamine	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
4-Bromophenyl-phenylether	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Hexachlorobenzene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Atrazine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pentachlorophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Phenanthrene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Anthracene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Carbazole	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Fluoranthene	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Pyrene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Butylbenzylphthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
3,3'-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(a)anthracene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Chrysene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Di-n-octylphthalate	Target	10	UJ	ug/L	10	U	1.0	YES	S4VEM
Benzo(b)fluoranthene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(k)fluoranthene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(a)pyrene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Dibenzo(a,h)anthracene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Benzo(g,h,i)perylene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S4VEM
Unknown-01	TIC	2.1	J	ug/L	2.1	J	1.0	YES	NV

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKFM	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VBLKGI	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14035/JLW11** | **Lab Name: Pace Analytical Services, LLC**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 19 soil/sediment samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLTQ0	MJLTQ2	MJLTQ4	MJLTQ5	MJLTQ8
MJLTQ9	MJLTR0	MJLTR1	MJLTR2	MJLTR3
MJLTR4	MJLTR5	MJLTT0	MJLTT1	MJLTT6
MJLTT7	MJLTX8	MJLTY3	MJLTY4	

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
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Seattle, WA 98101-3140

LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 19, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLTQ0

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of nineteen soil / sediment samples, collected from the above referenced site, has been completed. These samples were analyzed for total metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	Holding Times met	N	Cool ≤ 6°C Metals 180 Days, Mercury 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85 – 115% Recovery
Interference Check Std.	88 - 119%	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike	**78 – 118% Out: Ag (74%), Sb (59%)**	**Y**	**75 - 125%**
Lab Duplicate	≤ 4% or ± 2xCRQL	N	≤ 35% RPD or ± 2xCRQL
LCS (blank spike)	88 – 110%	N	70 - 130% Recovery Ag, Sb 50 – 150% Recovery
Serial Dilution[3]	≤ 12%	N	≤ 15% Difference

[1] Sample MJLTX8 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3] The ICP Serial Dilution evaluation was limited to the **Aluminum, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Vanadium** and **Zinc** data as the native concentrations of the remaining elements were too low for conducting a quantitative comparison of the 1:5 serial dilutions.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results ≤ CRQLs (below or equal to the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs.

Data Qualifications: Sample results are qualified U and the values elevated to the CRQLs.	
Qualified Analytical Results:	
Antimony –	MJLTQ0, MJLTQ2, MJLTQ4, MJLTQ5, MJLTQ8, MJLTQ9, MJLTR0, MJLTR1, MJLTR2, MJLTR3, MJLTR4, MJLTR5, MJLTT6, MJLTT7, MJLTX8, MJLTY3, MJLTY4
Mercury –	MJLTQ4, MJLTQ5, MJLTQ9, MJLTR0, MJLTR2, MJLTR5, MJLTT0, MJLTT1, MJLTX8, MJLTY3, MJLTY4
Potassium -	MJLTQ8, MJLTR5
Thallium –	MJLTQ0, MJLTQ2, MJLTQ4, MJLTQ5, MJLTQ8, MJLTQ9, MJLTR0, MJLTR1, MJLTR2, MJLTR3, MJLTR4, MJLTR5, MJLTT6, MJLTT7, MJLTY3, MJLTY4

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.	
Qualified Analytical Results:	
Beryllium -	MJLTT0
Calcium -	MJLTT0
Potassium -	MJLTQ0, MJLTQ4, MJLTQ8, MJLTQ9, MJLTR0, MJLTR4, MJLTX8
Silver –	MJLTQ0, MJLTQ2, MJLTQ4, MJLTQ5, MJLTQ8, MJLTR0, MJLTR1, MJLTR2, MJLTR3, MJLTR4, MJLTR5, MJLTT0, MJLTT1, MJLTT6, MJLTT7, MJLTX8, MJLTY3, MJLTY4
Sodium –	MJLTQ9, MJLTR0, MJLTR2, MJLTR3, MJLTT6, MJLTX8, MJLTY3, MJLTY4

3. Matrix Spike: The spike recoveries for **Antimony** (59%) and **Silver** (74%) were below the 75-125% criteria. The post digestion spike for Antimony was within the criteria whereas a post spike for Silver is not required. **Non-detected values for Antimony were qualified UJ. Antimony and Silver values detected above the CRQLs were qualified J.**

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLTQ0	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTQ2	Soil	9/9/2020	9/12/2020	9/25/2020	9/22/2020	9/22/2020
MJLTQ4	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTQ5	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTQ8	Soil	9/9/2020	9/12/2020	9/25/2020	9/22/2020	9/22/2020
MJLTQ9	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTR0	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTR1	Soil	9/9/2020	9/12/2020	9/25/2020	9/22/2020	9/22/2020
MJLTR2	Soil	9/10/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTR3	Soil	9/10/2020	9/12/2020	9/25/2020	9/22/2020	9/22/2020
MJLTR4	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTR5	Soil	9/9/2020	9/12/2020	9/25/2020	9/22/2020	9/22/2020
MJLTT0	Soil	9/10/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTT1	Soil	9/10/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTT6	Soil	9/9/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTT7	Soil	9/9/2020	9/12/2020	9/25/2020	9/22/2020	9/22/2020
MJLTX8	Sediment	9/12/2020	9/17/2020	9/23/2020	9/22/2020	9/22/2020
MJLTY3	Soil	9/10/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020
MJLTY4	Soil	9/10/2020	9/12/2020	9/23/2020	9/22/2020	9/22/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS767	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	2.0		mg/kg	2.0		1.0	YES	S4VEM
Arsenic	Spike	0.95		mg/kg	0.95		1.0	YES	S4VEM
Selenium	Spike	5.3		mg/kg	5.3		1.0	YES	S4VEM
Thallium	Spike	0.96		mg/kg	0.96		1.0	YES	S4VEM
Vanadium	Spike	5.2		mg/kg	5.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS803	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	45.7		mg/kg	45.7		1.0	YES	S4VEM
Barium	Spike	31.5		mg/kg	31.5		1.0	YES	S4VEM
Beryllium	Spike	1.1		mg/kg	1.1		1.0	YES	S4VEM
Cadmium	Spike	1.0		mg/kg	1.0		1.0	YES	S4VEM
Calcium	Spike	1040		mg/kg	1040		1.0	YES	S4VEM
Chromium	Spike	2.1		mg/kg	2.1		1.0	YES	S4VEM
Cobalt	Spike	9.6		mg/kg	9.6		1.0	YES	S4VEM
Copper	Spike	4.7		mg/kg	4.7		1.0	YES	S4VEM
Iron	Spike	15.9		mg/kg	15.9		1.0	YES	S4VEM
Lead	Spike	2.0		mg/kg	2.0		1.0	YES	S4VEM
Magnesium	Spike	993		mg/kg	993		1.0	YES	S4VEM
Manganese	Spike	3.2		mg/kg	3.2		1.0	YES	S4VEM
Nickel	Spike	8.2		mg/kg	8.2		1.0	YES	S4VEM
Potassium	Spike	998		mg/kg	998		1.0	YES	S4VEM
Silver	Spike	1.9		mg/kg	1.9		1.0	YES	S4VEM
Sodium	Spike	1020		mg/kg	1020		1.0	YES	S4VEM
Zinc	Spike	13.2		mg/kg	13.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL01GP01	pH:	Sample Date: 09/09/2020	Sample Time: 09:58:00
% Moisture:		% Solids: 80.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL01GP01	pH:	Sample Date: 09/09/2020	Sample Time: 09:58:00
% Moisture:		% Solids: 80.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35800		mg/kg	35800		1.0	YES	S4VEM
Barium	Target	39.5		mg/kg	39.5		1.0	YES	S4VEM
Beryllium	Target	0.74		mg/kg	0.74		1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	184	JQ	mg/kg	184	J	1.0	YES	S4VEM
Chromium	Target	78.7		mg/kg	78.7		1.0	YES	S4VEM
Cobalt	Target	7.6		mg/kg	7.6		1.0	YES	S4VEM
Copper	Target	46.7		mg/kg	46.7		1.0	YES	S4VEM
Iron	Target	42200		mg/kg	42200		1.0	YES	S4VEM
Lead	Target	10.5		mg/kg	10.5		1.0	YES	S4VEM
Magnesium	Target	6380		mg/kg	6380		1.0	YES	S4VEM
Manganese	Target	152		mg/kg	152		1.0	YES	S4VEM
Nickel	Target	49.6		mg/kg	49.6		1.0	YES	S4VEM
Potassium	Target	299	JQ	mg/kg	299	J	1.0	YES	S4VEM
Silver	Target	0.49	JQ	mg/kg	0.49	J*	1.0	YES	S4VEM
Sodium	Target	499	U	mg/kg	499	U	1.0	YES	S4VEM
Zinc	Target	61.5		mg/kg	61.5		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL01GP01	pH:	Sample Date: 09/09/2020	Sample Time: 09:58:00
% Moisture:		% Solids: 80.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.90	UJ	mg/kg	0.12	J*	1.0	YES	S4VEM
Arsenic	Target	3.7		mg/kg	3.7		1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.10	J	1.0	YES	S4VEM
Vanadium	Target	70.4		mg/kg	70.4	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL02GP01	pH:	Sample Date: 09/09/2020	Sample Time: 11:17:00
% Moisture:		% Solids: 83.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL02GP01	pH:	Sample Date: 09/09/2020	Sample Time: 11:17:00
% Moisture:		% Solids: 83.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	30600		mg/kg	30600		1.0	YES	S4VEM
Barium	Target	33.9		mg/kg	33.9		1.0	YES	S4VEM
Beryllium	Target	0.65		mg/kg	0.65		1.0	YES	S4VEM
Cadmium	Target	0.41	U	mg/kg	0.41	U	1.0	YES	S4VEM
Calcium	Target	1430		mg/kg	1430		1.0	YES	S4VEM
Chromium	Target	71.1		mg/kg	71.1		1.0	YES	S4VEM
Cobalt	Target	10.2		mg/kg	10.2		1.0	YES	S4VEM
Copper	Target	68.9		mg/kg	68.9		1.0	YES	S4VEM
Iron	Target	36800		mg/kg	36800		1.0	YES	S4VEM
Lead	Target	11.7		mg/kg	11.7		1.0	YES	S4VEM
Magnesium	Target	9400		mg/kg	9400		1.0	YES	S4VEM
Manganese	Target	228		mg/kg	228		1.0	YES	S4VEM
Nickel	Target	64.4		mg/kg	64.4		1.0	YES	S4VEM
Potassium	Target	458		mg/kg	458		1.0	YES	S4VEM
Silver	Target	0.47	JQ	mg/kg	0.47	J*	1.0	YES	S4VEM
Sodium	Target	411	U	mg/kg	411	U	1.0	YES	S4VEM
Zinc	Target	72.4		mg/kg	72.4		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL02GP01	pH:	Sample Date: 09/09/2020	Sample Time: 11:17:00
% Moisture:		% Solids: 83.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.89	UJ	mg/kg	0.20	J*	1.0	YES	S4VEM
Arsenic	Target	3.6		mg/kg	3.6		1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.44	U	mg/kg	0.062	J	1.0	YES	S4VEM
Vanadium	Target	64.1		mg/kg	64.1	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL03TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:09:00
% Moisture:		% Solids: 90.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.10	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL03TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:09:00
% Moisture:		% Solids: 90.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17900		mg/kg	17900		1.0	YES	S4VEM
Barium	Target	73.2		mg/kg	73.2		1.0	YES	S4VEM
Beryllium	Target	0.61		mg/kg	0.61		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	3910		mg/kg	3910		1.0	YES	S4VEM
Chromium	Target	56.4		mg/kg	56.4		1.0	YES	S4VEM
Cobalt	Target	19.0		mg/kg	19.0		1.0	YES	S4VEM
Copper	Target	43.3		mg/kg	43.3		1.0	YES	S4VEM
Iron	Target	28000		mg/kg	28000		1.0	YES	S4VEM
Lead	Target	11.1		mg/kg	11.1		1.0	YES	S4VEM
Magnesium	Target	9600		mg/kg	9600		1.0	YES	S4VEM
Manganese	Target	616		mg/kg	616		1.0	YES	S4VEM
Nickel	Target	66.2		mg/kg	66.2		1.0	YES	S4VEM
Potassium	Target	405	JQ	mg/kg	405	J	1.0	YES	S4VEM
Silver	Target	0.33	JQ	mg/kg	0.33	J*	1.0	YES	S4VEM
Sodium	Target	434	U	mg/kg	434	U	1.0	YES	S4VEM
Zinc	Target	72.7		mg/kg	72.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL03TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:09:00
% Moisture:		% Solids: 90.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.79	UJ	mg/kg	0.18	J*	1.0	YES	S4VEM
Arsenic	Target	2.6		mg/kg	2.6		1.0	YES	S4VEM
Selenium	Target	2.0	U	mg/kg	2.0	U	1.0	YES	S4VEM
Thallium	Target	0.40	U	mg/kg	0.044	J	1.0	YES	S4VEM
Vanadium	Target	54.1		mg/kg	54.1	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL03TP02	pH:	Sample Date: 09/09/2020	Sample Time: 13:00:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.070	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL03TP02	pH:	Sample Date: 09/09/2020	Sample Time: 13:00:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	15000		mg/kg	15000		1.0	YES	S4VEM
Barium	Target	50.7		mg/kg	50.7		1.0	YES	S4VEM
Beryllium	Target	0.54		mg/kg	0.54		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	3020		mg/kg	3020		1.0	YES	S4VEM
Chromium	Target	41.8		mg/kg	41.8		1.0	YES	S4VEM
Cobalt	Target	11.4		mg/kg	11.4		1.0	YES	S4VEM
Copper	Target	38.5		mg/kg	38.5		1.0	YES	S4VEM
Iron	Target	23700		mg/kg	23700		1.0	YES	S4VEM
Lead	Target	5.7		mg/kg	5.7		1.0	YES	S4VEM
Magnesium	Target	8280		mg/kg	8280		1.0	YES	S4VEM
Manganese	Target	292		mg/kg	292		1.0	YES	S4VEM
Nickel	Target	50.8		mg/kg	50.8		1.0	YES	S4VEM
Potassium	Target	504		mg/kg	504		1.0	YES	S4VEM
Silver	Target	0.27	JQ	mg/kg	0.27	J*	1.0	YES	S4VEM
Sodium	Target	481	U	mg/kg	481	U	1.0	YES	S4VEM
Zinc	Target	59.3		mg/kg	59.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL03TP02	pH:	Sample Date: 09/09/2020	Sample Time: 13:00:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.95	UJ	mg/kg	0.18	J*	1.0	YES	S4VEM
Arsenic	Target	2.0		mg/kg	2.0		1.0	YES	S4VEM
Selenium	Target	2.4	U	mg/kg	2.4	U	1.0	YES	S4VEM
Thallium	Target	0.48	U	mg/kg	0.038	J	1.0	YES	S4VEM
Vanadium	Target	44.1		mg/kg	44.1	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 71.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.23		mg/kg	0.23		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 71.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	42300		mg/kg	42300		1.0	YES	S4VEM
Barium	Target	59.4		mg/kg	59.4		1.0	YES	S4VEM
Beryllium	Target	0.93		mg/kg	0.93		1.0	YES	S4VEM
Cadmium	Target	0.58	U	mg/kg	0.58	U	1.0	YES	S4VEM
Calcium	Target	1840		mg/kg	1840		1.0	YES	S4VEM
Chromium	Target	105		mg/kg	105		1.0	YES	S4VEM
Cobalt	Target	12.7		mg/kg	12.7		1.0	YES	S4VEM
Copper	Target	45.0		mg/kg	45.0		1.0	YES	S4VEM
Iron	Target	57900		mg/kg	57900		1.0	YES	S4VEM
Lead	Target	11.9		mg/kg	11.9		1.0	YES	S4VEM
Magnesium	Target	9000		mg/kg	9000		1.0	YES	S4VEM
Manganese	Target	193		mg/kg	193		1.0	YES	S4VEM
Nickel	Target	79.8		mg/kg	79.8		1.0	YES	S4VEM
Potassium	Target	576	U	mg/kg	303	J	1.0	YES	S4VEM
Silver	Target	0.92	JQ	mg/kg	0.92	J*	1.0	YES	S4VEM
Sodium	Target	576	U	mg/kg	576	U	1.0	YES	S4VEM
Zinc	Target	73.6		mg/kg	73.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ8	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 71.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	UJ	mg/kg	0.13	J*	1.0	YES	S4VEM
Arsenic	Target	2.8		mg/kg	2.8		1.0	YES	S4VEM
Selenium	Target	2.6	U	mg/kg	2.6	U	1.0	YES	S4VEM
Thallium	Target	0.51	U	mg/kg	0.066	J	1.0	YES	S4VEM
Vanadium	Target	101		mg/kg	101	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.11		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	30000		mg/kg	30000		1.0	YES	S4VEM
Barium	Target	62.0		mg/kg	62.0		1.0	YES	S4VEM
Beryllium	Target	0.76		mg/kg	0.76		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	4920		mg/kg	4920		1.0	YES	S4VEM
Chromium	Target	107		mg/kg	107		1.0	YES	S4VEM
Cobalt	Target	13.0		mg/kg	13.0		1.0	YES	S4VEM
Copper	Target	40.2		mg/kg	40.2		1.0	YES	S4VEM
Iron	Target	41600		mg/kg	41600		1.0	YES	S4VEM
Lead	Target	9.0		mg/kg	9.0		1.0	YES	S4VEM
Magnesium	Target	11600		mg/kg	11600		1.0	YES	S4VEM
Manganese	Target	261		mg/kg	261		1.0	YES	S4VEM
Nickel	Target	89.0		mg/kg	89.0		1.0	YES	S4VEM
Potassium	Target	346	JQ	mg/kg	346	J	1.0	YES	S4VEM
Silver	Target	1.3	J	mg/kg	1.3	*	1.0	YES	S4VEM
Sodium	Target	43.6	JQ	mg/kg	43.6	J	1.0	YES	S4VEM
Zinc	Target	66.1		mg/kg	66.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ9	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 78.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.92	UJ	mg/kg	0.15	J*	1.0	YES	S4VEM
Arsenic	Target	2.2		mg/kg	2.2		1.0	YES	S4VEM
Selenium	Target	2.3	U	mg/kg	2.3	U	1.0	YES	S4VEM
Thallium	Target	0.46	U	mg/kg	0.069	J	1.0	YES	S4VEM
Vanadium	Target	88.7		mg/kg	88.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 82.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.12		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 82.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	26800		mg/kg	26800		1.0	YES	S4VEM
Barium	Target	66.4		mg/kg	66.4		1.0	YES	S4VEM
Beryllium	Target	0.82		mg/kg	0.82		1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	3290		mg/kg	3290		1.0	YES	S4VEM
Chromium	Target	73.2		mg/kg	73.2		1.0	YES	S4VEM
Cobalt	Target	15.4		mg/kg	15.4		1.0	YES	S4VEM
Copper	Target	45.4		mg/kg	45.4		1.0	YES	S4VEM
Iron	Target	41900		mg/kg	41900		1.0	YES	S4VEM
Lead	Target	25.2		mg/kg	25.2		1.0	YES	S4VEM
Magnesium	Target	9620		mg/kg	9620		1.0	YES	S4VEM
Manganese	Target	423		mg/kg	423		1.0	YES	S4VEM
Nickel	Target	67.8		mg/kg	67.8		1.0	YES	S4VEM
Potassium	Target	486	JQ	mg/kg	486	J	1.0	YES	S4VEM
Silver	Target	0.51	JQ	mg/kg	0.51	J*	1.0	YES	S4VEM
Sodium	Target	42.7	JQ	mg/kg	42.7	J	1.0	YES	S4VEM
Zinc	Target	161		mg/kg	161		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 82.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.83	UJ	mg/kg	0.16	J*	1.0	YES	S4VEM
Arsenic	Target	3.4		mg/kg	3.4		1.0	YES	S4VEM
Selenium	Target	0.47	JQ	mg/kg	0.47	J	1.0	YES	S4VEM
Thallium	Target	0.42	U	mg/kg	0.067	J	1.0	YES	S4VEM
Vanadium	Target	73.0		mg/kg	73.0	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 80.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15		mg/kg	0.15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 80.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	41400		mg/kg	41400		1.0	YES	S4VEM
Barium	Target	43.0		mg/kg	43.0		1.0	YES	S4VEM
Beryllium	Target	0.80		mg/kg	0.80		1.0	YES	S4VEM
Cadmium	Target	0.45	U	mg/kg	0.45	U	1.0	YES	S4VEM
Calcium	Target	1610		mg/kg	1610		1.0	YES	S4VEM
Chromium	Target	81.1		mg/kg	81.1		1.0	YES	S4VEM
Cobalt	Target	10.0		mg/kg	10.0		1.0	YES	S4VEM
Copper	Target	37.9		mg/kg	37.9		1.0	YES	S4VEM
Iron	Target	46200		mg/kg	46200		1.0	YES	S4VEM
Lead	Target	8.3		mg/kg	8.3		1.0	YES	S4VEM
Magnesium	Target	9280		mg/kg	9280		1.0	YES	S4VEM
Manganese	Target	253		mg/kg	253		1.0	YES	S4VEM
Nickel	Target	63.9		mg/kg	63.9		1.0	YES	S4VEM
Potassium	Target	507		mg/kg	507		1.0	YES	S4VEM
Silver	Target	0.70	JQ	mg/kg	0.70	J*	1.0	YES	S4VEM
Sodium	Target	453	U	mg/kg	453	U	1.0	YES	S4VEM
Zinc	Target	72.6		mg/kg	72.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR1	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 80.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.89	UJ	mg/kg	0.11	J*	1.0	YES	S4VEM
Arsenic	Target	4.8		mg/kg	4.8		1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.063	J	1.0	YES	S4VEM
Vanadium	Target	74.8		mg/kg	74.8	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 86.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.10	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 86.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	21400		mg/kg	21400		1.0	YES	S4VEM
Barium	Target	78.9		mg/kg	78.9		1.0	YES	S4VEM
Beryllium	Target	0.69		mg/kg	0.69		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	4040		mg/kg	4040		1.0	YES	S4VEM
Chromium	Target	59.3		mg/kg	59.3		1.0	YES	S4VEM
Cobalt	Target	20.3		mg/kg	20.3		1.0	YES	S4VEM
Copper	Target	47.8		mg/kg	47.8		1.0	YES	S4VEM
Iron	Target	31400		mg/kg	31400		1.0	YES	S4VEM
Lead	Target	11.1		mg/kg	11.1		1.0	YES	S4VEM
Magnesium	Target	9970		mg/kg	9970		1.0	YES	S4VEM
Manganese	Target	648		mg/kg	648		1.0	YES	S4VEM
Nickel	Target	72.3		mg/kg	72.3		1.0	YES	S4VEM
Potassium	Target	657		mg/kg	657		1.0	YES	S4VEM
Silver	Target	0.38	JQ	mg/kg	0.38	J*	1.0	YES	S4VEM
Sodium	Target	60.0	JQ	mg/kg	60.0	J	1.0	YES	S4VEM
Zinc	Target	70.8		mg/kg	70.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 86.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.85	UJ	mg/kg	0.17	J*	1.0	YES	S4VEM
Arsenic	Target	3.0		mg/kg	3.0		1.0	YES	S4VEM
Selenium	Target	2.1	U	mg/kg	2.1	U	1.0	YES	S4VEM
Thallium	Target	0.42	U	mg/kg	0.047	J	1.0	YES	S4VEM
Vanadium	Target	61.2		mg/kg	61.2	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR3	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12		mg/kg	0.12		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR3	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	34000		mg/kg	34000		1.0	YES	S4VEM
Barium	Target	41.9		mg/kg	41.9		1.0	YES	S4VEM
Beryllium	Target	0.99		mg/kg	0.99		1.0	YES	S4VEM
Cadmium	Target	0.42	U	mg/kg	0.42	U	1.0	YES	S4VEM
Calcium	Target	3030		mg/kg	3030		1.0	YES	S4VEM
Chromium	Target	71.8		mg/kg	71.8		1.0	YES	S4VEM
Cobalt	Target	18.2		mg/kg	18.2		1.0	YES	S4VEM
Copper	Target	51.8		mg/kg	51.8		1.0	YES	S4VEM
Iron	Target	50300		mg/kg	50300		1.0	YES	S4VEM
Lead	Target	7.9		mg/kg	7.9		1.0	YES	S4VEM
Magnesium	Target	13500		mg/kg	13500		1.0	YES	S4VEM
Manganese	Target	313		mg/kg	313		1.0	YES	S4VEM
Nickel	Target	96.9		mg/kg	96.9		1.0	YES	S4VEM
Potassium	Target	745		mg/kg	745		1.0	YES	S4VEM
Silver	Target	0.62	JQ	mg/kg	0.62	J*	1.0	YES	S4VEM
Sodium	Target	53.4	JQ	mg/kg	53.4	J	1.0	YES	S4VEM
Zinc	Target	79.7		mg/kg	79.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR3	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.87	UJ	mg/kg	0.12	J*	1.0	YES	S4VEM
Arsenic	Target	2.3		mg/kg	2.3		1.0	YES	S4VEM
Selenium	Target	0.45	JQ	mg/kg	0.45	J	1.0	YES	S4VEM
Thallium	Target	0.43	U	mg/kg	0.035	J	1.0	YES	S4VEM
Vanadium	Target	66.0		mg/kg	66.0	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.17		mg/kg	0.17		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35500		mg/kg	35500		1.0	YES	S4VEM
Barium	Target	51.4		mg/kg	51.4		1.0	YES	S4VEM
Beryllium	Target	0.70		mg/kg	0.70		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	1890		mg/kg	1890		1.0	YES	S4VEM
Chromium	Target	77.2		mg/kg	77.2		1.0	YES	S4VEM
Cobalt	Target	10.1		mg/kg	10.1		1.0	YES	S4VEM
Copper	Target	40.9		mg/kg	40.9		1.0	YES	S4VEM
Iron	Target	39400		mg/kg	39400		1.0	YES	S4VEM
Lead	Target	11.5		mg/kg	11.5		1.0	YES	S4VEM
Magnesium	Target	7750		mg/kg	7750		1.0	YES	S4VEM
Manganese	Target	250		mg/kg	250		1.0	YES	S4VEM
Nickel	Target	53.5		mg/kg	53.5		1.0	YES	S4VEM
Potassium	Target	309	JQ	mg/kg	309	J	1.0	YES	S4VEM
Silver	Target	0.46	JQ	mg/kg	0.46	J*	1.0	YES	S4VEM
Sodium	Target	429	U	mg/kg	429	U	1.0	YES	S4VEM
Zinc	Target	76.4		mg/kg	76.4		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 79.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.88	UJ	mg/kg	0.083	J*	1.0	YES	S4VEM
Arsenic	Target	3.2		mg/kg	3.2		1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.44	U	mg/kg	0.075	J	1.0	YES	S4VEM
Vanadium	Target	75.3		mg/kg	75.3	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 87.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.088	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 87.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	22100		mg/kg	22100		1.0	YES	S4VEM
Barium	Target	20.1		mg/kg	20.1		1.0	YES	S4VEM
Beryllium	Target	0.76		mg/kg	0.76		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	2060		mg/kg	2060		1.0	YES	S4VEM
Chromium	Target	70.0		mg/kg	70.0		1.0	YES	S4VEM
Cobalt	Target	16.2		mg/kg	16.2		1.0	YES	S4VEM
Copper	Target	41.2		mg/kg	41.2		1.0	YES	S4VEM
Iron	Target	42300		mg/kg	42300		1.0	YES	S4VEM
Lead	Target	6.2		mg/kg	6.2		1.0	YES	S4VEM
Magnesium	Target	11000		mg/kg	11000		1.0	YES	S4VEM
Manganese	Target	287		mg/kg	287		1.0	YES	S4VEM
Nickel	Target	92.7		mg/kg	92.7		1.0	YES	S4VEM
Potassium	Target	433	U	mg/kg	432	J	1.0	YES	S4VEM
Silver	Target	0.56	JQ	mg/kg	0.56	J*	1.0	YES	S4VEM
Sodium	Target	433	U	mg/kg	433	U	1.0	YES	S4VEM
Zinc	Target	56.7		mg/kg	56.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 87.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.84	UJ	mg/kg	0.14	J*	1.0	YES	S4VEM
Arsenic	Target	5.2		mg/kg	5.2		1.0	YES	S4VEM
Selenium	Target	2.1	U	mg/kg	2.1	U	1.0	YES	S4VEM
Thallium	Target	0.42	U	mg/kg	0.042	J	1.0	YES	S4VEM
Vanadium	Target	51.9	J	mg/kg	51.9	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13	U	mg/kg	0.032	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17400		mg/kg	17400		1.0	YES	S4VEM
Barium	Target	668		mg/kg	668		1.0	YES	S4VEM
Beryllium	Target	0.40	JQ	mg/kg	0.40	J	1.0	YES	S4VEM
Cadmium	Target	0.51	U	mg/kg	0.51	U	1.0	YES	S4VEM
Calcium	Target	54000		mg/kg	54000		1.0	YES	S4VEM
Chromium	Target	40.0		mg/kg	40.0		1.0	YES	S4VEM
Cobalt	Target	7.1		mg/kg	7.1		1.0	YES	S4VEM
Copper	Target	123		mg/kg	123		1.0	YES	S4VEM
Iron	Target	19000		mg/kg	19000		1.0	YES	S4VEM
Lead	Target	9.2		mg/kg	9.2		1.0	YES	S4VEM
Magnesium	Target	4970		mg/kg	4970		1.0	YES	S4VEM
Manganese	Target	1110		mg/kg	1110		1.0	YES	S4VEM
Nickel	Target	45.3		mg/kg	45.3		1.0	YES	S4VEM
Potassium	Target	3830		mg/kg	3830		1.0	YES	S4VEM
Silver	Target	0.33	JQ	mg/kg	0.33	J*	1.0	YES	S4VEM
Sodium	Target	2310		mg/kg	2310		1.0	YES	S4VEM
Zinc	Target	92.6		mg/kg	92.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.2	J	mg/kg	1.2	*	1.0	YES	S4VEM
Arsenic	Target	3.9		mg/kg	3.9		1.0	YES	S4VEM
Selenium	Target	1.0	JQ	mg/kg	1.0	J	1.0	YES	S4VEM
Thallium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Vanadium	Target	36.0		mg/kg	36.0	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 77.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.013	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 77.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	27100		mg/kg	27100		1.0	YES	S4VEM
Barium	Target	922		mg/kg	922		1.0	YES	S4VEM
Beryllium	Target	0.48		mg/kg	0.48		1.0	YES	S4VEM
Cadmium	Target	0.47	U	mg/kg	0.47	U	1.0	YES	S4VEM
Calcium	Target	58200		mg/kg	58200		1.0	YES	S4VEM
Chromium	Target	37.0		mg/kg	37.0		1.0	YES	S4VEM
Cobalt	Target	6.2		mg/kg	6.2		1.0	YES	S4VEM
Copper	Target	88.5		mg/kg	88.5		1.0	YES	S4VEM
Iron	Target	19900		mg/kg	19900		1.0	YES	S4VEM
Lead	Target	18.1		mg/kg	18.1		1.0	YES	S4VEM
Magnesium	Target	5950		mg/kg	5950		1.0	YES	S4VEM
Manganese	Target	1630		mg/kg	1630		1.0	YES	S4VEM
Nickel	Target	34.5		mg/kg	34.5		1.0	YES	S4VEM
Potassium	Target	5370		mg/kg	5370		1.0	YES	S4VEM
Silver	Target	0.38	JQ	mg/kg	0.38	J*	1.0	YES	S4VEM
Sodium	Target	4190		mg/kg	4190		1.0	YES	S4VEM
Zinc	Target	108		mg/kg	108		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT1	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 77.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	4.4	J	mg/kg	4.4	*	1.0	YES	S4VEM
Arsenic	Target	8.6		mg/kg	8.6		1.0	YES	S4VEM
Selenium	Target	2.3	U	mg/kg	2.3	U	1.0	YES	S4VEM
Thallium	Target	0.46	U	mg/kg	0.46	U	1.0	YES	S4VEM
Vanadium	Target	60.0		mg/kg	60.0	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 85.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12		mg/kg	0.12		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 85.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20300		mg/kg	20300		1.0	YES	S4VEM
Barium	Target	74.8		mg/kg	74.8		1.0	YES	S4VEM
Beryllium	Target	0.65		mg/kg	0.65		1.0	YES	S4VEM
Cadmium	Target	0.41	U	mg/kg	0.41	U	1.0	YES	S4VEM
Calcium	Target	5470		mg/kg	5470		1.0	YES	S4VEM
Chromium	Target	65.9		mg/kg	65.9		1.0	YES	S4VEM
Cobalt	Target	14.7		mg/kg	14.7		1.0	YES	S4VEM
Copper	Target	89.7		mg/kg	89.7		1.0	YES	S4VEM
Iron	Target	33100		mg/kg	33100		1.0	YES	S4VEM
Lead	Target	42.8		mg/kg	42.8		1.0	YES	S4VEM
Magnesium	Target	8980		mg/kg	8980		1.0	YES	S4VEM
Manganese	Target	483		mg/kg	483		1.0	YES	S4VEM
Nickel	Target	73.8		mg/kg	73.8		1.0	YES	S4VEM
Potassium	Target	488		mg/kg	488		1.0	YES	S4VEM
Silver	Target	0.43	JQ	mg/kg	0.43	J*	1.0	YES	S4VEM
Sodium	Target	93.7	JQ	mg/kg	93.7	J	1.0	YES	S4VEM
Zinc	Target	255		mg/kg	255		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 85.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.85	UJ	mg/kg	0.61	J*	1.0	YES	S4VEM
Arsenic	Target	4.0		mg/kg	4.0		1.0	YES	S4VEM
Selenium	Target	2.1	U	mg/kg	2.1	U	1.0	YES	S4VEM
Thallium	Target	0.42	U	mg/kg	0.042	J	1.0	YES	S4VEM
Vanadium	Target	56.5		mg/kg	56.5	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT7	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 80.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13		mg/kg	0.13		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT7	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 80.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	32300		mg/kg	32300		1.0	YES	S4VEM
Barium	Target	40.8		mg/kg	40.8		1.0	YES	S4VEM
Beryllium	Target	0.66		mg/kg	0.66		1.0	YES	S4VEM
Cadmium	Target	0.44	U	mg/kg	0.44	U	1.0	YES	S4VEM
Calcium	Target	2030		mg/kg	2030		1.0	YES	S4VEM
Chromium	Target	65.6		mg/kg	65.6		1.0	YES	S4VEM
Cobalt	Target	9.4		mg/kg	9.4		1.0	YES	S4VEM
Copper	Target	38.4		mg/kg	38.4		1.0	YES	S4VEM
Iron	Target	39000		mg/kg	39000		1.0	YES	S4VEM
Lead	Target	8.0		mg/kg	8.0		1.0	YES	S4VEM
Magnesium	Target	8150		mg/kg	8150		1.0	YES	S4VEM
Manganese	Target	234		mg/kg	234		1.0	YES	S4VEM
Nickel	Target	61.8		mg/kg	61.8		1.0	YES	S4VEM
Potassium	Target	572		mg/kg	572		1.0	YES	S4VEM
Silver	Target	0.53	JQ	mg/kg	0.53	J*	1.0	YES	S4VEM
Sodium	Target	441	U	mg/kg	441	U	1.0	YES	S4VEM
Zinc	Target	68.3		mg/kg	68.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT7	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 80.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.88	UJ	mg/kg	0.11	J*	1.0	YES	S4VEM
Arsenic	Target	3.3		mg/kg	3.3		1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.44	U	mg/kg	0.048	J	1.0	YES	S4VEM
Vanadium	Target	63.1		mg/kg	63.1	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD05SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16	U	mg/kg	0.092	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD05SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19100		mg/kg	19100		1.0	YES	S4VEM
Barium	Target	75.7		mg/kg	75.7		1.0	YES	S4VEM
Beryllium	Target	0.68		mg/kg	0.68		1.0	YES	S4VEM
Cadmium	Target	0.62	U	mg/kg	0.62	U	1.0	YES	S4VEM
Calcium	Target	2920		mg/kg	2920		1.0	YES	S4VEM
Chromium	Target	51.3		mg/kg	51.3		1.0	YES	S4VEM
Cobalt	Target	10.6		mg/kg	10.6		1.0	YES	S4VEM
Copper	Target	32.9		mg/kg	32.9		1.0	YES	S4VEM
Iron	Target	29100		mg/kg	29100		1.0	YES	S4VEM
Lead	Target	7.4		mg/kg	7.4		1.0	YES	S4VEM
Magnesium	Target	8010		mg/kg	8010		1.0	YES	S4VEM
Manganese	Target	336		mg/kg	336		1.0	YES	S4VEM
Nickel	Target	56.7		mg/kg	56.7		1.0	YES	S4VEM
Potassium	Target	375	JQ	mg/kg	375	J	1.0	YES	S4VEM
Silver	Target	0.32	JQ	mg/kg	0.32	J*	1.0	YES	S4VEM
Sodium	Target	83.9	JQ	mg/kg	83.9	J	1.0	YES	S4VEM
Zinc	Target	64.1		mg/kg	64.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD05SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.2	UJ	mg/kg	0.13	J*	1.0	YES	S4VEM
Arsenic	Target	2.4		mg/kg	2.4		1.0	YES	S4VEM
Selenium	Target	3.0	U	mg/kg	3.0	U	1.0	YES	S4VEM
Thallium	Target	0.60	U	mg/kg	0.60	U	1.0	YES	S4VEM
Vanadium	Target	47.0		mg/kg	47.0	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8A	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	3.0		mg/kg	3.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.085	J	mg/kg	0.085	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19100		mg/kg	19100		1.0	YES	S4VEM
Barium	Target	76.7		mg/kg	76.7		1.0	YES	S4VEM
Beryllium	Target	0.68		mg/kg	0.68		1.0	YES	S4VEM
Cadmium	Target	0.62	U	mg/kg	0.62	U	1.0	YES	S4VEM
Calcium	Target	2940		mg/kg	2940		1.0	YES	S4VEM
Chromium	Target	51.8		mg/kg	51.8		1.0	YES	S4VEM
Cobalt	Target	10.6		mg/kg	10.6		1.0	YES	S4VEM
Copper	Target	33.4		mg/kg	33.4		1.0	YES	S4VEM
Iron	Target	29000		mg/kg	29000		1.0	YES	S4VEM
Lead	Target	7.2		mg/kg	7.2		1.0	YES	S4VEM
Magnesium	Target	8120		mg/kg	8120		1.0	YES	S4VEM
Manganese	Target	340		mg/kg	340		1.0	YES	S4VEM
Nickel	Target	57.2		mg/kg	57.2		1.0	YES	S4VEM
Potassium	Target	379	J	mg/kg	379	J	1.0	YES	S4VEM
Silver	Target	0.34	J	mg/kg	0.34	J	1.0	YES	S4VEM
Sodium	Target	114	J	mg/kg	114	J	1.0	YES	S4VEM
Zinc	Target	64.6		mg/kg	64.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8D	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.12	J	mg/kg	0.12	J	1.0	YES	S4VEM
Arsenic	Target	2.6		mg/kg	2.6		1.0	YES	S4VEM
Selenium	Target	3.0	U	mg/kg	3.0	U	1.0	YES	S4VEM
Thallium	Target	0.036	J	mg/kg	0.036	J	1.0	YES	S4VEM
Vanadium	Target	48.6		mg/kg	48.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000		mg/kg	19000		5.0	YES	S4VEM
Barium	Target	77.1	J	mg/kg	77.1	J	5.0	YES	S4VEM
Beryllium	Target	0.64	J	mg/kg	0.64	J	5.0	YES	S4VEM
Cadmium	Target	3.1	U	mg/kg	3.1	U	5.0	YES	S4VEM
Calcium	Target	2970	J	mg/kg	2970	J	5.0	YES	S4VEM
Chromium	Target	52.9		mg/kg	52.9		5.0	YES	S4VEM
Cobalt	Target	10.2	J	mg/kg	10.2	J	5.0	YES	S4VEM
Copper	Target	35.4		mg/kg	35.4		5.0	YES	S4VEM
Iron	Target	29000		mg/kg	29000		5.0	YES	S4VEM
Lead	Target	6.5		mg/kg	6.5		5.0	YES	S4VEM
Magnesium	Target	8140		mg/kg	8140		5.0	YES	S4VEM
Manganese	Target	346		mg/kg	346		5.0	YES	S4VEM
Nickel	Target	55.6		mg/kg	55.6		5.0	YES	S4VEM
Potassium	Target	247	J	mg/kg	247	J	5.0	YES	S4VEM
Silver	Target	6.0	U	mg/kg	6.0	U	5.0	YES	S4VEM
Sodium	Target	3090	U	mg/kg	3090	U	5.0	YES	S4VEM
Zinc	Target	64.7		mg/kg	64.7		5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8L	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.21	JQ	mg/kg	0.21	J	5.0	YES	S4VEM
Arsenic	Target	2.5	JQ	mg/kg	2.5	J	5.0	YES	S4VEM
Selenium	Target	15.0	U	mg/kg	15.0	U	5.0	YES	S4VEM
Thallium	Target	3.0	U	mg/kg	3.0	U	5.0	YES	S4VEM
Vanadium	Target	52.5		mg/kg	52.5	*	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.85		mg/kg	0.85		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Barium	Spike	594		mg/kg	594		1.0	YES	S4VEM
Beryllium	Spike	13.7		mg/kg	13.7		1.0	YES	S4VEM
Cadmium	Spike	11.8		mg/kg	11.8		1.0	YES	S4VEM
Chromium	Spike	107		mg/kg	107		1.0	YES	S4VEM
Cobalt	Spike	142		mg/kg	142		1.0	YES	S4VEM
Copper	Spike	94.5		mg/kg	94.5		1.0	YES	S4VEM
Lead	Spike	12.4		mg/kg	12.4		1.0	YES	S4VEM
Manganese	Spike	485		mg/kg	485		1.0	YES	S4VEM
Nickel	Spike	195		mg/kg	195		1.0	YES	S4VEM
Silver	Spike	9.7		mg/kg	9.7	*	1.0	YES	S4VEM
Zinc	Spike	210		mg/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX8S	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 58.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	7.3		mg/kg	7.3	*	1.0	YES	S4VEM
Arsenic	Spike	6.6		mg/kg	6.6		1.0	YES	S4VEM
Selenium	Spike	9.5		mg/kg	9.5		1.0	YES	S4VEM
Thallium	Spike	5.3		mg/kg	5.3		1.0	YES	S4VEM
Vanadium	Spike	105		mg/kg	105		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY3	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 72.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13	U	mg/kg	0.0080	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY3	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 72.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35200		mg/kg	35200		1.0	YES	S4VEM
Barium	Target	71.4		mg/kg	71.4		1.0	YES	S4VEM
Beryllium	Target	0.81		mg/kg	0.81		1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	4010		mg/kg	4010		1.0	YES	S4VEM
Chromium	Target	109		mg/kg	109		1.0	YES	S4VEM
Cobalt	Target	9.0		mg/kg	9.0		1.0	YES	S4VEM
Copper	Target	30.8		mg/kg	30.8		1.0	YES	S4VEM
Iron	Target	48100		mg/kg	48100		1.0	YES	S4VEM
Lead	Target	9.1		mg/kg	9.1		1.0	YES	S4VEM
Magnesium	Target	4430		mg/kg	4430		1.0	YES	S4VEM
Manganese	Target	234		mg/kg	234		1.0	YES	S4VEM
Nickel	Target	66.1		mg/kg	66.1		1.0	YES	S4VEM
Potassium	Target	1670		mg/kg	1670		1.0	YES	S4VEM
Silver	Target	0.60	JQ	mg/kg	0.60	J*	1.0	YES	S4VEM
Sodium	Target	494	JQ	mg/kg	494	J	1.0	YES	S4VEM
Zinc	Target	45.1		mg/kg	45.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY3	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 72.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	UJ	mg/kg	0.15	J*	1.0	YES	S4VEM
Arsenic	Target	1.8		mg/kg	1.8		1.0	YES	S4VEM
Selenium	Target	2.6	U	mg/kg	2.6	U	1.0	YES	S4VEM
Thallium	Target	0.51	U	mg/kg	0.092	J	1.0	YES	S4VEM
Vanadium	Target	75.9		mg/kg	75.9	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 80.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.095	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 80.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35200		mg/kg	35200		1.0	YES	S4VEM
Barium	Target	39.1		mg/kg	39.1		1.0	YES	S4VEM
Beryllium	Target	0.86		mg/kg	0.86		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	2070		mg/kg	2070		1.0	YES	S4VEM
Chromium	Target	98.2		mg/kg	98.2		1.0	YES	S4VEM
Cobalt	Target	13.4		mg/kg	13.4		1.0	YES	S4VEM
Copper	Target	56.4		mg/kg	56.4		1.0	YES	S4VEM
Iron	Target	47400		mg/kg	47400		1.0	YES	S4VEM
Lead	Target	9.4		mg/kg	9.4		1.0	YES	S4VEM
Magnesium	Target	13100		mg/kg	13100		1.0	YES	S4VEM
Manganese	Target	373		mg/kg	373		1.0	YES	S4VEM
Nickel	Target	105		mg/kg	105		1.0	YES	S4VEM
Potassium	Target	633		mg/kg	633		1.0	YES	S4VEM
Silver	Target	0.46	JQ	mg/kg	0.46	J*	1.0	YES	S4VEM
Sodium	Target	34.7	JQ	mg/kg	34.7	J	1.0	YES	S4VEM
Zinc	Target	73.0		mg/kg	73.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 80.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.91	UJ	mg/kg	0.14	J*	1.0	YES	S4VEM
Arsenic	Target	3.4		mg/kg	3.4		1.0	YES	S4VEM
Selenium	Target	2.3	U	mg/kg	2.3	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.059	J	1.0	YES	S4VEM
Vanadium	Target	76.3	J	mg/kg	76.3	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS767	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Arsenic	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Selenium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Thallium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Vanadium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS789	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.0020	J	mg/kg	0.0020	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTQ0** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS803	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1.0	YES	S4VEM
Copper	Target	0.32	J	mg/kg	0.32	J	1.0	YES	S4VEM
Iron	Target	10.0	U	mg/kg	-7.0	J	1.0	YES	S4VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Magnesium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1.0	YES	S4VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1.0	YES	S4VEM
Potassium	Target	500	U	mg/kg	-23	J	1.0	YES	S4VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Sodium	Target	500	U	mg/kg	-56	J	1.0	YES	S4VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 20 soil/sediment samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLTQ1	MJLTR7	MJLTS4	MJLTS5	MJLTT4
MJLTT5	MJLTW0	MJLTW2	MJLTW6	MJLTW7
MJLTW8	MJLTW9	MJLTX0	MJLTX1	MJLTX2
MJLTX7	MJLTX9	MJLTY0	MJLTY1	MJLTY2

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
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LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 20, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLTX0

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of twenty soil / sediment samples, collected from the above referenced site, has been completed. These samples were analyzed for total metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	Holding Times met	N	Cool ≤ 6°C Metals 180 Days, Mercury 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85 – 115% Recovery
Interference Check Std.	88 - 119%	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike	**75 - 109% Out: Ag (74%), Se (67%)**	**Y**	**75 - 125%**
Lab Duplicate	≤ 9% or ± 2xCRQL	N	≤ 35% RPD or ± 2xCRQL
LCS (blank spike)	88 – 111%	N	70 - 130% Recovery Ag, Sb 50 – 150% Recovery
Serial Dilution[4]	≤ 13%	N	≤ 15% Difference

[1] Sample MJLTY2 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3] The ICP Serial Dilution evaluation was limited to the **Aluminum, Arsenic, Chromium, Copper, Iron, Magnesium, Manganese, Nickel, Vanadium** and **Zinc** data as the native concentrations of the remaining elements were too low for conducting a quantitative comparison of the 1:5 serial dilutions.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results ≤ CRQLs (below the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs.

Data Qualifications: Sample results are qualified U and the values elevated to the CRQLs.	
Qualified Analytical Results:	
Mercury -	MJLTR7, MJLTT4, MJLTW6, MJLTW7, MJLTW9, MJLTX2, MJLTY2
Potassium -	MJLTR7, MJLTS4, MJLTS5, MJLTT5, MJLTW9, MJLTX2, MJLTX9, MJLTY0, MJLTY1
Thallium –	MJLTQ1, MJLTR7, MJLTS4, MJLTS5, MJLTT4, MJLTT5, MJLTW0, MJLTW2, MJLTW6, MJLTW8, MJLTW9, MJLTX0, MJLTX1, MJLTX2, MJLTX7, MJLTX9, MJLTY0, MJLTY1, MJLTY2

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.	
Qualified Analytical Results:	
Antimony -	All samples
Calcium -	MJLTY2
Potassium -	MJLTX7, MJLTY2
Selenium –	MJLTS4, MJLTT4, MJLTW0, MJLTW2, MJLTW6, MJLTW8, MJLTW9, MJLTX1, MJLTX7, MJLTX9, MJLTY0, MJLTY1, MJLTY2
Silver -	All samples
Sodium –	MJLTQ1, MJLTR7, MJLTS5, MJLTT5, MJLTW0, MJLTW2, MJLTW6, MJLTW8, MJLTX7, MJLTX9, MJLTY0, MJLTY1

3. Matrix Spike: The spike recoveries for **Selenium** (67%) and **Silver** (74%) were below the 75-125% criteria. The post digestion spike for Selenium was within the criteria whereas a post spike for Silver is not required. **Non-detected values for Selenium were qualified UJ. All remaining Selenium and Silver values were detected below the CRQLs and qualified JQ (noted above).**

4. ICP-MS Internal Standard: The internal standard recoveries for Yttrium and Scandium exceeded the 60-125% criteria in several samples which resulted in a 1:2 dilution of the digests for the associated analytes of Selenium and Vanadium (respectively). **Recoveries for the dilutions were within the criteria with the exception of Scandium in samples MJLTS4 and MJLTT5. The lab reported the undiluted Vanadium values for these samples which were qualified J.**

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLTQ1	Soil	9/13/2020	9/19/2020	9/23/2020	9/24/2020	9/23/2020
MJLTR7	Soil	9/11/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTS4	Soil	9/11/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTS5	Soil	9/11/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTT4	Soil	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTT5	Soil	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTW0	Soil	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTW2	Soil	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTW6	Soil	9/10/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTW7	Soil	9/10/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTW8	Soil	9/10/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTW9	Soil	9/10/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTX0	Soil	9/10/2020	9/17/2020	9/23/2020	9/24/2020	9/23/2020
MJLTX1	Soil	9/10/2020	9/17/2020	9/25/2020	9/24/2020	9/23/2020
MJLTX2	Soil	9/10/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTX7	Sediment	9/12/2020	9/17/2020	9/23/2020	9/24/2020	9/23/2020
MJLTX9	Sediment	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTY0	Sediment	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTY1	Sediment	9/12/2020	9/19/2020	9/25/2020	9/24/2020	9/23/2020
MJLTY2	Sediment	9/12/2020	9/19/2020	9/23/2020	9/24/2020	9/23/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS840	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	44.4		mg/kg	44.4		1.0	YES	S4VEM
Barium	Spike	40.2		mg/kg	40.2		1.0	YES	S4VEM
Beryllium	Spike	1.1		mg/kg	1.1		1.0	YES	S4VEM
Cadmium	Spike	1.0		mg/kg	1.0		1.0	YES	S4VEM
Calcium	Spike	1020		mg/kg	1020		1.0	YES	S4VEM
Chromium	Spike	2.1		mg/kg	2.1		1.0	YES	S4VEM
Cobalt	Spike	9.5		mg/kg	9.5		1.0	YES	S4VEM
Copper	Spike	4.4		mg/kg	4.4		1.0	YES	S4VEM
Iron	Spike	21.4		mg/kg	21.4		1.0	YES	S4VEM
Lead	Spike	2.1		mg/kg	2.1		1.0	YES	S4VEM
Magnesium	Spike	981		mg/kg	981		1.0	YES	S4VEM
Manganese	Spike	3.2		mg/kg	3.2		1.0	YES	S4VEM
Nickel	Spike	8.2		mg/kg	8.2		1.0	YES	S4VEM
Potassium	Spike	971		mg/kg	971		1.0	YES	S4VEM
Silver	Spike	1.9		mg/kg	1.9		1.0	YES	S4VEM
Sodium	Spike	1010		mg/kg	1010		1.0	YES	S4VEM
Zinc	Spike	12.9		mg/kg	12.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS868	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	1.9		mg/kg	1.9		1.0	YES	S4VEM
Arsenic	Spike	0.98		mg/kg	0.98		1.0	YES	S4VEM
Selenium	Spike	4.8		mg/kg	4.8		1.0	YES	S4VEM
Thallium	Spike	0.91		mg/kg	0.91		1.0	YES	S4VEM
Vanadium	Spike	5.2		mg/kg	5.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: OP01GP01	pH:	Sample Date: 09/13/2020	Sample Time: 10:20:00
% Moisture:		% Solids: 88.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12		mg/kg	0.12		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: OP01GP01	pH:	Sample Date: 09/13/2020	Sample Time: 10:20:00
% Moisture:		% Solids: 88.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24500		mg/kg	24500		1.0	YES	S4VEM
Barium	Target	36.4		mg/kg	36.4		1.0	YES	S4VEM
Beryllium	Target	0.73		mg/kg	0.73		1.0	YES	S4VEM
Cadmium	Target	0.41	U	mg/kg	0.41	U	1.0	YES	S4VEM
Calcium	Target	2320		mg/kg	2320		1.0	YES	S4VEM
Chromium	Target	102		mg/kg	102		1.0	YES	S4VEM
Cobalt	Target	13.9		mg/kg	13.9		1.0	YES	S4VEM
Copper	Target	47.7		mg/kg	47.7		1.0	YES	S4VEM
Iron	Target	33000		mg/kg	33000		1.0	YES	S4VEM
Lead	Target	6.9		mg/kg	6.9		1.0	YES	S4VEM
Magnesium	Target	14200		mg/kg	14200		1.0	YES	S4VEM
Manganese	Target	325		mg/kg	325		1.0	YES	S4VEM
Nickel	Target	133		mg/kg	133		1.0	YES	S4VEM
Potassium	Target	443		mg/kg	443		1.0	YES	S4VEM
Silver	Target	0.36	JQ	mg/kg	0.36	J*	1.0	YES	S4VEM
Sodium	Target	30.1	JQ	mg/kg	30.1	J	1.0	YES	S4VEM
Zinc	Target	65.9		mg/kg	65.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ1	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: OP01GP01	pH:	Sample Date: 09/13/2020	Sample Time: 10:20:00
% Moisture:		% Solids: 88.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.11	JQ	mg/kg	0.11	J	1.0	YES	S4VEM
Arsenic	Target	3.2		mg/kg	3.2		1.0	YES	S4VEM
Selenium	Target	2.0	UJ	mg/kg	2.0	U*	1.0	YES	S4VEM
Thallium	Target	0.40	U	mg/kg	0.048	J	1.0	YES	S4VEM
Vanadium	Target	65.2		mg/kg	65.2	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR7	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13	U	mg/kg	0.12	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR7	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20600		mg/kg	20600		1.0	YES	S4VEM
Barium	Target	28.8		mg/kg	28.8		1.0	YES	S4VEM
Beryllium	Target	0.61		mg/kg	0.61		1.0	YES	S4VEM
Cadmium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Calcium	Target	2270		mg/kg	2270		1.0	YES	S4VEM
Chromium	Target	81.1		mg/kg	81.1		1.0	YES	S4VEM
Cobalt	Target	14.4		mg/kg	14.4		1.0	YES	S4VEM
Copper	Target	39.3		mg/kg	39.3		1.0	YES	S4VEM
Iron	Target	25400		mg/kg	25400		1.0	YES	S4VEM
Lead	Target	7.5		mg/kg	7.5		1.0	YES	S4VEM
Magnesium	Target	11700		mg/kg	11700		1.0	YES	S4VEM
Manganese	Target	271		mg/kg	271		1.0	YES	S4VEM
Nickel	Target	144		mg/kg	144		1.0	YES	S4VEM
Potassium	Target	488	U	mg/kg	343	J	1.0	YES	S4VEM
Silver	Target	0.37	JQ	mg/kg	0.37	J*	1.0	YES	S4VEM
Sodium	Target	30.3	JQ	mg/kg	30.3	J	1.0	YES	S4VEM
Zinc	Target	59.5		mg/kg	59.5		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR7	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: OP01TP03	pH:	Sample Date: 09/11/2020	Sample Time: 14:13:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.13	JQ	mg/kg	0.13	J	1.0	YES	S4VEM
Arsenic	Target	2.2		mg/kg	2.2		1.0	YES	S4VEM
Selenium	Target	2.2	UJ	mg/kg	2.2	U*	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.049	J	1.0	YES	S4VEM
Vanadium	Target	44.0		mg/kg	44.0	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL13TP01	pH:	Sample Date: 09/11/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 69.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.19		mg/kg	0.19		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL13TP01	pH:	Sample Date: 09/11/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 69.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35000		mg/kg	35000		1.0	YES	S4VEM
Barium	Target	27.9		mg/kg	27.9		1.0	YES	S4VEM
Beryllium	Target	0.69		mg/kg	0.69		1.0	YES	S4VEM
Cadmium	Target	0.53	U	mg/kg	0.53	U	1.0	YES	S4VEM
Calcium	Target	2010		mg/kg	2010		1.0	YES	S4VEM
Chromium	Target	122		mg/kg	122		1.0	YES	S4VEM
Cobalt	Target	15.6		mg/kg	15.6		1.0	YES	S4VEM
Copper	Target	49.7		mg/kg	49.7		1.0	YES	S4VEM
Iron	Target	39600		mg/kg	39600		1.0	YES	S4VEM
Lead	Target	7.5		mg/kg	7.5		1.0	YES	S4VEM
Magnesium	Target	14500		mg/kg	14500		1.0	YES	S4VEM
Manganese	Target	278		mg/kg	278		1.0	YES	S4VEM
Nickel	Target	152		mg/kg	152		1.0	YES	S4VEM
Potassium	Target	528	U	mg/kg	251	J	1.0	YES	S4VEM
Silver	Target	0.51	JQ	mg/kg	0.51	J*	1.0	YES	S4VEM
Sodium	Target	528	U	mg/kg	528	U	1.0	YES	S4VEM
Zinc	Target	60.8		mg/kg	60.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL13TP01	pH:	Sample Date: 09/11/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 69.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.15	JQ	mg/kg	0.15	J	1.0	YES	S4VEM
Arsenic	Target	3.5		mg/kg	3.5		1.0	YES	S4VEM
Selenium	Target	0.66	JQ	mg/kg	0.66	J*	1.0	YES	S4VEM
Thallium	Target	0.52	U	mg/kg	0.068	J	1.0	YES	S4VEM
Vanadium	Target	72.2	J	mg/kg	72.2	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL13TP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 72.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16		mg/kg	0.16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL13TP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 72.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	39900		mg/kg	39900		1.0	YES	S4VEM
Barium	Target	57.2		mg/kg	57.2		1.0	YES	S4VEM
Beryllium	Target	0.88		mg/kg	0.88		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	2380		mg/kg	2380		1.0	YES	S4VEM
Chromium	Target	139		mg/kg	139		1.0	YES	S4VEM
Cobalt	Target	22.7		mg/kg	22.7		1.0	YES	S4VEM
Copper	Target	59.7		mg/kg	59.7		1.0	YES	S4VEM
Iron	Target	46800		mg/kg	46800		1.0	YES	S4VEM
Lead	Target	8.7		mg/kg	8.7		1.0	YES	S4VEM
Magnesium	Target	19400		mg/kg	19400		1.0	YES	S4VEM
Manganese	Target	373		mg/kg	373		1.0	YES	S4VEM
Nickel	Target	190		mg/kg	190		1.0	YES	S4VEM
Potassium	Target	482	U	mg/kg	480	J	1.0	YES	S4VEM
Silver	Target	0.60	JQ	mg/kg	0.60	J*	1.0	YES	S4VEM
Sodium	Target	32.0	JQ	mg/kg	32.0	J	1.0	YES	S4VEM
Zinc	Target	77.9		mg/kg	77.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL13TP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:51:00
% Moisture:		% Solids: 72.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.12	JQ	mg/kg	0.12	J	1.0	YES	S4VEM
Arsenic	Target	3.5		mg/kg	3.5		1.0	YES	S4VEM
Selenium	Target	2.6	UJ	mg/kg	2.6	U*	1.0	YES	S4VEM
Thallium	Target	0.51	U	mg/kg	0.062	J	1.0	YES	S4VEM
Vanadium	Target	87.7		mg/kg	87.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 79.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.11	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 79.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24000		mg/kg	24000		1.0	YES	S4VEM
Barium	Target	77.0		mg/kg	77.0		1.0	YES	S4VEM
Beryllium	Target	0.62		mg/kg	0.62		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	4330		mg/kg	4330		1.0	YES	S4VEM
Chromium	Target	65.2		mg/kg	65.2		1.0	YES	S4VEM
Cobalt	Target	12.5		mg/kg	12.5		1.0	YES	S4VEM
Copper	Target	61.6		mg/kg	61.6		1.0	YES	S4VEM
Iron	Target	32400		mg/kg	32400		1.0	YES	S4VEM
Lead	Target	18.5		mg/kg	18.5		1.0	YES	S4VEM
Magnesium	Target	10600		mg/kg	10600		1.0	YES	S4VEM
Manganese	Target	414		mg/kg	414		1.0	YES	S4VEM
Nickel	Target	88.1		mg/kg	88.1		1.0	YES	S4VEM
Potassium	Target	754		mg/kg	754		1.0	YES	S4VEM
Silver	Target	0.51	JQ	mg/kg	0.51	J*	1.0	YES	S4VEM
Sodium	Target	653		mg/kg	653		1.0	YES	S4VEM
Zinc	Target	73.6		mg/kg	73.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 79.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.62	JQ	mg/kg	0.62	J	1.0	YES	S4VEM
Arsenic	Target	3.9		mg/kg	3.9		1.0	YES	S4VEM
Selenium	Target	0.59	JQ	mg/kg	0.59	J*	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.054	J	1.0	YES	S4VEM
Vanadium	Target	70.7		mg/kg	70.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 77.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.21		mg/kg	0.21		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 77.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	33800		mg/kg	33800		1.0	YES	S4VEM
Barium	Target	43.8		mg/kg	43.8		1.0	YES	S4VEM
Beryllium	Target	0.70		mg/kg	0.70		1.0	YES	S4VEM
Cadmium	Target	0.47	U	mg/kg	0.47	U	1.0	YES	S4VEM
Calcium	Target	1060		mg/kg	1060		1.0	YES	S4VEM
Chromium	Target	146		mg/kg	146		1.0	YES	S4VEM
Cobalt	Target	16.9		mg/kg	16.9		1.0	YES	S4VEM
Copper	Target	44.8		mg/kg	44.8		1.0	YES	S4VEM
Iron	Target	37300		mg/kg	37300		1.0	YES	S4VEM
Lead	Target	8.2		mg/kg	8.2		1.0	YES	S4VEM
Magnesium	Target	12800		mg/kg	12800		1.0	YES	S4VEM
Manganese	Target	283		mg/kg	283		1.0	YES	S4VEM
Nickel	Target	152		mg/kg	152		1.0	YES	S4VEM
Potassium	Target	470	U	mg/kg	367	J	1.0	YES	S4VEM
Silver	Target	0.54	JQ	mg/kg	0.54	J*	1.0	YES	S4VEM
Sodium	Target	36.5	JQ	mg/kg	36.5	J	1.0	YES	S4VEM
Zinc	Target	69.0		mg/kg	69.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 77.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.11	JQ	mg/kg	0.11	J	1.0	YES	S4VEM
Arsenic	Target	2.9		mg/kg	2.9		1.0	YES	S4VEM
Selenium	Target	2.2	UJ	mg/kg	2.2	U*	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.067	J	1.0	YES	S4VEM
Vanadium	Target	66.7	J	mg/kg	66.7	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 82.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 82.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	32200		mg/kg	32200		1.0	YES	S4VEM
Barium	Target	42.3		mg/kg	42.3		1.0	YES	S4VEM
Beryllium	Target	0.69		mg/kg	0.69		1.0	YES	S4VEM
Cadmium	Target	0.44	U	mg/kg	0.44	U	1.0	YES	S4VEM
Calcium	Target	2480		mg/kg	2480		1.0	YES	S4VEM
Chromium	Target	82.1		mg/kg	82.1		1.0	YES	S4VEM
Cobalt	Target	13.3		mg/kg	13.3		1.0	YES	S4VEM
Copper	Target	49.8		mg/kg	49.8		1.0	YES	S4VEM
Iron	Target	37400		mg/kg	37400		1.0	YES	S4VEM
Lead	Target	12.5		mg/kg	12.5		1.0	YES	S4VEM
Magnesium	Target	10600		mg/kg	10600		1.0	YES	S4VEM
Manganese	Target	346		mg/kg	346		1.0	YES	S4VEM
Nickel	Target	98.3		mg/kg	98.3		1.0	YES	S4VEM
Potassium	Target	464		mg/kg	464		1.0	YES	S4VEM
Silver	Target	0.54	JQ	mg/kg	0.54	J*	1.0	YES	S4VEM
Sodium	Target	44.4	JQ	mg/kg	44.4	J	1.0	YES	S4VEM
Zinc	Target	74.9		mg/kg	74.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 82.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.16	JQ	mg/kg	0.16	J	1.0	YES	S4VEM
Arsenic	Target	3.0		mg/kg	3.0		1.0	YES	S4VEM
Selenium	Target	0.54	JQ	mg/kg	0.54	J*	1.0	YES	S4VEM
Thallium	Target	0.43	U	mg/kg	0.060	J	1.0	YES	S4VEM
Vanadium	Target	70.6		mg/kg	70.6	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 75.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16		mg/kg	0.16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 75.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	37600		mg/kg	37600		1.0	YES	S4VEM
Barium	Target	56.3		mg/kg	56.3		1.0	YES	S4VEM
Beryllium	Target	0.82		mg/kg	0.82		1.0	YES	S4VEM
Cadmium	Target	0.47	U	mg/kg	0.47	U	1.0	YES	S4VEM
Calcium	Target	3290		mg/kg	3290		1.0	YES	S4VEM
Chromium	Target	107		mg/kg	107		1.0	YES	S4VEM
Cobalt	Target	14.6		mg/kg	14.6		1.0	YES	S4VEM
Copper	Target	53.7		mg/kg	53.7		1.0	YES	S4VEM
Iron	Target	47900		mg/kg	47900		1.0	YES	S4VEM
Lead	Target	11.8		mg/kg	11.8		1.0	YES	S4VEM
Magnesium	Target	9950		mg/kg	9950		1.0	YES	S4VEM
Manganese	Target	380		mg/kg	380		1.0	YES	S4VEM
Nickel	Target	96.5		mg/kg	96.5		1.0	YES	S4VEM
Potassium	Target	574		mg/kg	574		1.0	YES	S4VEM
Silver	Target	0.71	JQ	mg/kg	0.71	J*	1.0	YES	S4VEM
Sodium	Target	32.5	JQ	mg/kg	32.5	J	1.0	YES	S4VEM
Zinc	Target	73.7		mg/kg	73.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 75.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.19	JQ	mg/kg	0.19	J	1.0	YES	S4VEM
Arsenic	Target	4.5		mg/kg	4.5		1.0	YES	S4VEM
Selenium	Target	0.52	JQ	mg/kg	0.52	J*	1.0	YES	S4VEM
Thallium	Target	0.49	U	mg/kg	0.064	J	1.0	YES	S4VEM
Vanadium	Target	90.3		mg/kg	90.3	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL24TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:15:00
% Moisture:		% Solids: 80.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.11		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL24TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:15:00
% Moisture:		% Solids: 80.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	23400		mg/kg	23400		1.0	YES	S4VEM
Barium	Target	89.2		mg/kg	89.2		1.0	YES	S4VEM
Beryllium	Target	0.68		mg/kg	0.68		1.0	YES	S4VEM
Cadmium	Target	0.42	U	mg/kg	0.42	U	1.0	YES	S4VEM
Calcium	Target	5760		mg/kg	5760		1.0	YES	S4VEM
Chromium	Target	64.6		mg/kg	64.6		1.0	YES	S4VEM
Cobalt	Target	17.0		mg/kg	17.0		1.0	YES	S4VEM
Copper	Target	51.8		mg/kg	51.8		1.0	YES	S4VEM
Iron	Target	34000		mg/kg	34000		1.0	YES	S4VEM
Lead	Target	10.8		mg/kg	10.8		1.0	YES	S4VEM
Magnesium	Target	11600		mg/kg	11600		1.0	YES	S4VEM
Manganese	Target	527		mg/kg	527		1.0	YES	S4VEM
Nickel	Target	81.7		mg/kg	81.7		1.0	YES	S4VEM
Potassium	Target	707		mg/kg	707		1.0	YES	S4VEM
Silver	Target	0.80	JQ	mg/kg	0.80	J*	1.0	YES	S4VEM
Sodium	Target	73.6	JQ	mg/kg	73.6	J	1.0	YES	S4VEM
Zinc	Target	75.2		mg/kg	75.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL24TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:15:00
% Moisture:		% Solids: 80.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.24	JQ	mg/kg	0.24	J	1.0	YES	S4VEM
Arsenic	Target	3.5		mg/kg	3.5		1.0	YES	S4VEM
Selenium	Target	0.80	JQ	mg/kg	0.80	J*	1.0	YES	S4VEM
Thallium	Target	0.44	U	mg/kg	0.048	J	1.0	YES	S4VEM
Vanadium	Target	66.6		mg/kg	66.6	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW7	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL24TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:07:00
% Moisture:		% Solids: 74.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.079	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW7	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL24TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:07:00
% Moisture:		% Solids: 74.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	23800		mg/kg	23800		1.0	YES	S4VEM
Barium	Target	414		mg/kg	414		1.0	YES	S4VEM
Beryllium	Target	0.61		mg/kg	0.61		1.0	YES	S4VEM
Cadmium	Target	0.46	U	mg/kg	0.46	U	1.0	YES	S4VEM
Calcium	Target	17600		mg/kg	17600		1.0	YES	S4VEM
Chromium	Target	64.1		mg/kg	64.1		1.0	YES	S4VEM
Cobalt	Target	15.3		mg/kg	15.3		1.0	YES	S4VEM
Copper	Target	96.0		mg/kg	96.0		1.0	YES	S4VEM
Iron	Target	31700		mg/kg	31700		1.0	YES	S4VEM
Lead	Target	15.3		mg/kg	15.3		1.0	YES	S4VEM
Magnesium	Target	10100		mg/kg	10100		1.0	YES	S4VEM
Manganese	Target	969		mg/kg	969		1.0	YES	S4VEM
Nickel	Target	86.5		mg/kg	86.5		1.0	YES	S4VEM
Potassium	Target	3470		mg/kg	3470		1.0	YES	S4VEM
Silver	Target	0.58	JQ	mg/kg	0.58	J*	1.0	YES	S4VEM
Sodium	Target	1680		mg/kg	1680		1.0	YES	S4VEM
Zinc	Target	90.8		mg/kg	90.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW7	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL24TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:07:00
% Moisture:		% Solids: 74.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.76	JQ	mg/kg	0.76	J	1.0	YES	S4VEM
Arsenic	Target	4.6		mg/kg	4.6		1.0	YES	S4VEM
Selenium	Target	2.5	UJ	mg/kg	2.5	U*	1.0	YES	S4VEM
Thallium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Vanadium	Target	55.4		mg/kg	55.4	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL25TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:53:00
% Moisture:		% Solids: 82.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13		mg/kg	0.13		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL25TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:53:00
% Moisture:		% Solids: 82.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24600		mg/kg	24600		1.0	YES	S4VEM
Barium	Target	86.2		mg/kg	86.2		1.0	YES	S4VEM
Beryllium	Target	0.70		mg/kg	0.70		1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	4680		mg/kg	4680		1.0	YES	S4VEM
Chromium	Target	71.5		mg/kg	71.5		1.0	YES	S4VEM
Cobalt	Target	24.0		mg/kg	24.0		1.0	YES	S4VEM
Copper	Target	56.4		mg/kg	56.4		1.0	YES	S4VEM
Iron	Target	33800		mg/kg	33800		1.0	YES	S4VEM
Lead	Target	12.6		mg/kg	12.6		1.0	YES	S4VEM
Magnesium	Target	11100		mg/kg	11100		1.0	YES	S4VEM
Manganese	Target	666		mg/kg	666		1.0	YES	S4VEM
Nickel	Target	88.5		mg/kg	88.5		1.0	YES	S4VEM
Potassium	Target	615		mg/kg	615		1.0	YES	S4VEM
Silver	Target	0.55	JQ	mg/kg	0.55	J*	1.0	YES	S4VEM
Sodium	Target	30.0	JQ	mg/kg	30.0	J	1.0	YES	S4VEM
Zinc	Target	80.6		mg/kg	80.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW8	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL25TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:53:00
% Moisture:		% Solids: 82.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.21	JQ	mg/kg	0.21	J	1.0	YES	S4VEM
Arsenic	Target	3.3		mg/kg	3.3		1.0	YES	S4VEM
Selenium	Target	0.54	JQ	mg/kg	0.54	J*	1.0	YES	S4VEM
Thallium	Target	0.46	U	mg/kg	0.055	J	1.0	YES	S4VEM
Vanadium	Target	65.9		mg/kg	65.9	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL25TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:41:00
% Moisture:		% Solids: 48.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.21	U	mg/kg	0.13	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL25TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:41:00
% Moisture:		% Solids: 48.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	25800		mg/kg	25800		1.0	YES	S4VEM
Barium	Target	79.0		mg/kg	79.0		1.0	YES	S4VEM
Beryllium	Target	0.74		mg/kg	0.74		1.0	YES	S4VEM
Cadmium	Target	0.71	U	mg/kg	0.71	U	1.0	YES	S4VEM
Calcium	Target	3190		mg/kg	3190		1.0	YES	S4VEM
Chromium	Target	74.7		mg/kg	74.7		1.0	YES	S4VEM
Cobalt	Target	12.9		mg/kg	12.9		1.0	YES	S4VEM
Copper	Target	44.0		mg/kg	44.0		1.0	YES	S4VEM
Iron	Target	29800		mg/kg	29800		1.0	YES	S4VEM
Lead	Target	8.0		mg/kg	8.0		1.0	YES	S4VEM
Magnesium	Target	8960		mg/kg	8960		1.0	YES	S4VEM
Manganese	Target	287		mg/kg	287		1.0	YES	S4VEM
Nickel	Target	84.0		mg/kg	84.0		1.0	YES	S4VEM
Potassium	Target	714	U	mg/kg	479	J	1.0	YES	S4VEM
Silver	Target	0.50	JQ	mg/kg	0.50	J*	1.0	YES	S4VEM
Sodium	Target	714	U	mg/kg	714	U	1.0	YES	S4VEM
Zinc	Target	106		mg/kg	106		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW9	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL25TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:41:00
% Moisture:		% Solids: 48.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.25	JQ	mg/kg	0.25	J	1.0	YES	S4VEM
Arsenic	Target	4.0		mg/kg	4.0		1.0	YES	S4VEM
Selenium	Target	0.83	JQ	mg/kg	0.83	J*	1.0	YES	S4VEM
Thallium	Target	0.77	U	mg/kg	0.061	J	1.0	YES	S4VEM
Vanadium	Target	66.4		mg/kg	66.4	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL26TP01	pH:	Sample Date: 09/10/2020	Sample Time: 15:29:00
% Moisture:		% Solids: 82.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15		mg/kg	0.15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL26TP01	pH:	Sample Date: 09/10/2020	Sample Time: 15:29:00
% Moisture:		% Solids: 82.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20500		mg/kg	20500		1.0	YES	S4VEM
Barium	Target	84.0		mg/kg	84.0		1.0	YES	S4VEM
Beryllium	Target	0.66		mg/kg	0.66		1.0	YES	S4VEM
Cadmium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Calcium	Target	4640		mg/kg	4640		1.0	YES	S4VEM
Chromium	Target	79.4		mg/kg	79.4		1.0	YES	S4VEM
Cobalt	Target	15.4		mg/kg	15.4		1.0	YES	S4VEM
Copper	Target	39.4		mg/kg	39.4		1.0	YES	S4VEM
Iron	Target	31800		mg/kg	31800		1.0	YES	S4VEM
Lead	Target	17.3		mg/kg	17.3		1.0	YES	S4VEM
Magnesium	Target	10400		mg/kg	10400		1.0	YES	S4VEM
Manganese	Target	519		mg/kg	519		1.0	YES	S4VEM
Nickel	Target	87.8		mg/kg	87.8		1.0	YES	S4VEM
Potassium	Target	572		mg/kg	572		1.0	YES	S4VEM
Silver	Target	0.41	JQ	mg/kg	0.41	J*	1.0	YES	S4VEM
Sodium	Target	489	U	mg/kg	489	U	1.0	YES	S4VEM
Zinc	Target	69.3		mg/kg	69.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL26TP01	pH:	Sample Date: 09/10/2020	Sample Time: 15:29:00
% Moisture:		% Solids: 82.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.16	JQ	mg/kg	0.16	J	1.0	YES	S4VEM
Arsenic	Target	3.1		mg/kg	3.1		1.0	YES	S4VEM
Selenium	Target	2.3	UJ	mg/kg	2.3	U*	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.15	J	1.0	YES	S4VEM
Vanadium	Target	61.6		mg/kg	61.6	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL26TP02	pH:	Sample Date: 09/10/2020	Sample Time: 15:18:00
% Moisture:		% Solids: 77.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15		mg/kg	0.15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL26TP02	pH:	Sample Date: 09/10/2020	Sample Time: 15:18:00
% Moisture:		% Solids: 77.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	31100		mg/kg	31100		1.0	YES	S4VEM
Barium	Target	54.1		mg/kg	54.1		1.0	YES	S4VEM
Beryllium	Target	0.77		mg/kg	0.77		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	2590		mg/kg	2590		1.0	YES	S4VEM
Chromium	Target	106		mg/kg	106		1.0	YES	S4VEM
Cobalt	Target	19.2		mg/kg	19.2		1.0	YES	S4VEM
Copper	Target	47.4		mg/kg	47.4		1.0	YES	S4VEM
Iron	Target	41000		mg/kg	41000		1.0	YES	S4VEM
Lead	Target	9.2		mg/kg	9.2		1.0	YES	S4VEM
Magnesium	Target	14400		mg/kg	14400		1.0	YES	S4VEM
Manganese	Target	472		mg/kg	472		1.0	YES	S4VEM
Nickel	Target	122		mg/kg	122		1.0	YES	S4VEM
Potassium	Target	612		mg/kg	612		1.0	YES	S4VEM
Silver	Target	0.54	JQ	mg/kg	0.54	J*	1.0	YES	S4VEM
Sodium	Target	480	U	mg/kg	480	U	1.0	YES	S4VEM
Zinc	Target	72.6		mg/kg	72.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX1	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL26TP02	pH:	Sample Date: 09/10/2020	Sample Time: 15:18:00
% Moisture:		% Solids: 77.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.17	JQ	mg/kg	0.17	J	1.0	YES	S4VEM
Arsenic	Target	3.4		mg/kg	3.4		1.0	YES	S4VEM
Selenium	Target	0.55	JQ	mg/kg	0.55	J*	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.091	J	1.0	YES	S4VEM
Vanadium	Target	71.7		mg/kg	71.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL27TP01	pH:	Sample Date: 09/10/2020	Sample Time: 17:21:00
% Moisture:		% Solids: 75.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.10	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL27TP01	pH:	Sample Date: 09/10/2020	Sample Time: 17:21:00
% Moisture:		% Solids: 75.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	34800		mg/kg	34800		1.0	YES	S4VEM
Barium	Target	45.1		mg/kg	45.1		1.0	YES	S4VEM
Beryllium	Target	0.64		mg/kg	0.64		1.0	YES	S4VEM
Cadmium	Target	0.52	U	mg/kg	0.52	U	1.0	YES	S4VEM
Calcium	Target	1100		mg/kg	1100		1.0	YES	S4VEM
Chromium	Target	71.3		mg/kg	71.3		1.0	YES	S4VEM
Cobalt	Target	10.1		mg/kg	10.1		1.0	YES	S4VEM
Copper	Target	40.3		mg/kg	40.3		1.0	YES	S4VEM
Iron	Target	35000		mg/kg	35000		1.0	YES	S4VEM
Lead	Target	8.2		mg/kg	8.2		1.0	YES	S4VEM
Magnesium	Target	7520		mg/kg	7520		1.0	YES	S4VEM
Manganese	Target	193		mg/kg	193		1.0	YES	S4VEM
Nickel	Target	61.6		mg/kg	61.6		1.0	YES	S4VEM
Potassium	Target	515	U	mg/kg	428	J	1.0	YES	S4VEM
Silver	Target	0.63	JQ	mg/kg	0.63	J*	1.0	YES	S4VEM
Sodium	Target	515	U	mg/kg	515	U	1.0	YES	S4VEM
Zinc	Target	61.6		mg/kg	61.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL27TP01	pH:	Sample Date: 09/10/2020	Sample Time: 17:21:00
% Moisture:		% Solids: 75.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.082	JQ	mg/kg	0.082	J	1.0	YES	S4VEM
Arsenic	Target	3.2		mg/kg	3.2		1.0	YES	S4VEM
Selenium	Target	2.4	UJ	mg/kg	2.4	U*	1.0	YES	S4VEM
Thallium	Target	0.48	U	mg/kg	0.072	J	1.0	YES	S4VEM
Vanadium	Target	66.8		mg/kg	66.8	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX7	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD04SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:06:00
% Moisture:		% Solids: 19.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20		mg/kg	0.20		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX7	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD04SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:06:00
% Moisture:		% Solids: 19.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20900		mg/kg	20900		1.0	YES	S4VEM
Barium	Target	129		mg/kg	129		1.0	YES	S4VEM
Beryllium	Target	0.85		mg/kg	0.85		1.0	YES	S4VEM
Cadmium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Calcium	Target	1580		mg/kg	1580		1.0	YES	S4VEM
Chromium	Target	49.0		mg/kg	49.0		1.0	YES	S4VEM
Cobalt	Target	15.0		mg/kg	15.0		1.0	YES	S4VEM
Copper	Target	33.7		mg/kg	33.7		1.0	YES	S4VEM
Iron	Target	29600		mg/kg	29600		1.0	YES	S4VEM
Lead	Target	9.3		mg/kg	9.3		1.0	YES	S4VEM
Magnesium	Target	4120		mg/kg	4120		1.0	YES	S4VEM
Manganese	Target	332		mg/kg	332		1.0	YES	S4VEM
Nickel	Target	52.3		mg/kg	52.3		1.0	YES	S4VEM
Potassium	Target	253	JQ	mg/kg	253	J	1.0	YES	S4VEM
Silver	Target	0.46	JQ	mg/kg	0.46	J*	1.0	YES	S4VEM
Sodium	Target	52.3	JQ	mg/kg	52.3	J	1.0	YES	S4VEM
Zinc	Target	87.9		mg/kg	87.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX7	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD04SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:06:00
% Moisture:		% Solids: 19.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.11	JQ	mg/kg	0.11	J	1.0	YES	S4VEM
Arsenic	Target	3.2		mg/kg	3.2		1.0	YES	S4VEM
Selenium	Target	0.90	JQ	mg/kg	0.90	J*	1.0	YES	S4VEM
Thallium	Target	0.36	U	mg/kg	0.094	J	1.0	YES	S4VEM
Vanadium	Target	52.2		mg/kg	52.2	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD06SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:13:00
% Moisture:		% Solids: 21.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13		mg/kg	0.13		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD06SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:13:00
% Moisture:		% Solids: 21.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17400		mg/kg	17400		1.0	YES	S4VEM
Barium	Target	92.8		mg/kg	92.8		1.0	YES	S4VEM
Beryllium	Target	0.60		mg/kg	0.60		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	1350		mg/kg	1350		1.0	YES	S4VEM
Chromium	Target	40.9		mg/kg	40.9		1.0	YES	S4VEM
Cobalt	Target	10.6		mg/kg	10.6		1.0	YES	S4VEM
Copper	Target	25.6		mg/kg	25.6		1.0	YES	S4VEM
Iron	Target	19100		mg/kg	19100		1.0	YES	S4VEM
Lead	Target	7.0		mg/kg	7.0		1.0	YES	S4VEM
Magnesium	Target	3700		mg/kg	3700		1.0	YES	S4VEM
Manganese	Target	162		mg/kg	162		1.0	YES	S4VEM
Nickel	Target	45.0		mg/kg	45.0		1.0	YES	S4VEM
Potassium	Target	432	U	mg/kg	288	J	1.0	YES	S4VEM
Silver	Target	0.38	JQ	mg/kg	0.38	J*	1.0	YES	S4VEM
Sodium	Target	61.5	JQ	mg/kg	61.5	J	1.0	YES	S4VEM
Zinc	Target	68.4		mg/kg	68.4		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX9	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD06SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:13:00
% Moisture:		% Solids: 21.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.093	JQ	mg/kg	0.093	J	1.0	YES	S4VEM
Arsenic	Target	3.0		mg/kg	3.0		1.0	YES	S4VEM
Selenium	Target	0.82	JQ	mg/kg	0.82	J*	1.0	YES	S4VEM
Thallium	Target	0.37	U	mg/kg	0.078	J	1.0	YES	S4VEM
Vanadium	Target	53.3		mg/kg	53.3	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD07SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:28:00
% Moisture:		% Solids: 23.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD07SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:28:00
% Moisture:		% Solids: 23.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20700		mg/kg	20700		1.0	YES	S4VEM
Barium	Target	119		mg/kg	119		1.0	YES	S4VEM
Beryllium	Target	0.77		mg/kg	0.77		1.0	YES	S4VEM
Cadmium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Calcium	Target	1570		mg/kg	1570		1.0	YES	S4VEM
Chromium	Target	47.7		mg/kg	47.7		1.0	YES	S4VEM
Cobalt	Target	14.0		mg/kg	14.0		1.0	YES	S4VEM
Copper	Target	30.6		mg/kg	30.6		1.0	YES	S4VEM
Iron	Target	28100		mg/kg	28100		1.0	YES	S4VEM
Lead	Target	8.2		mg/kg	8.2		1.0	YES	S4VEM
Magnesium	Target	3820		mg/kg	3820		1.0	YES	S4VEM
Manganese	Target	316		mg/kg	316		1.0	YES	S4VEM
Nickel	Target	53.4		mg/kg	53.4		1.0	YES	S4VEM
Potassium	Target	492	U	mg/kg	282	J	1.0	YES	S4VEM
Silver	Target	0.51	JQ	mg/kg	0.51	J*	1.0	YES	S4VEM
Sodium	Target	35.1	JQ	mg/kg	35.1	J	1.0	YES	S4VEM
Zinc	Target	71.8		mg/kg	71.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD07SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:28:00
% Moisture:		% Solids: 23.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.11	JQ	mg/kg	0.11	J	1.0	YES	S4VEM
Arsenic	Target	3.9		mg/kg	3.9		1.0	YES	S4VEM
Selenium	Target	1.2	JQ	mg/kg	1.2	JD*	2.0	YES	S4VEM
Thallium	Target	0.36	U	mg/kg	0.075	J	1.0	YES	S4VEM
Vanadium	Target	58.4		mg/kg	58.4	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD08SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:38:00
% Moisture:		% Solids: 18.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16		mg/kg	0.16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD08SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:38:00
% Moisture:		% Solids: 18.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20900		mg/kg	20900		1.0	YES	S4VEM
Barium	Target	101		mg/kg	101		1.0	YES	S4VEM
Beryllium	Target	0.72		mg/kg	0.72		1.0	YES	S4VEM
Cadmium	Target	0.49	U	mg/kg	0.49	U	1.0	YES	S4VEM
Calcium	Target	1350		mg/kg	1350		1.0	YES	S4VEM
Chromium	Target	48.5		mg/kg	48.5		1.0	YES	S4VEM
Cobalt	Target	11.5		mg/kg	11.5		1.0	YES	S4VEM
Copper	Target	30.6		mg/kg	30.6		1.0	YES	S4VEM
Iron	Target	25900		mg/kg	25900		1.0	YES	S4VEM
Lead	Target	8.2		mg/kg	8.2		1.0	YES	S4VEM
Magnesium	Target	3850		mg/kg	3850		1.0	YES	S4VEM
Manganese	Target	184		mg/kg	184		1.0	YES	S4VEM
Nickel	Target	51.5		mg/kg	51.5		1.0	YES	S4VEM
Potassium	Target	492	U	mg/kg	288	J	1.0	YES	S4VEM
Silver	Target	0.51	JQ	mg/kg	0.51	J*	1.0	YES	S4VEM
Sodium	Target	39.3	JQ	mg/kg	39.3	J	1.0	YES	S4VEM
Zinc	Target	81.8		mg/kg	81.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY1	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD08SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:38:00
% Moisture:		% Solids: 18.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.12	JQ	mg/kg	0.12	J	1.0	YES	S4VEM
Arsenic	Target	4.5		mg/kg	4.5		1.0	YES	S4VEM
Selenium	Target	0.54	JQ	mg/kg	0.54	J*	1.0	YES	S4VEM
Thallium	Target	0.37	U	mg/kg	0.093	J	1.0	YES	S4VEM
Vanadium	Target	69.6		mg/kg	69.6	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD09SD	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.18	U	mg/kg	0.080	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD09SD	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	22000		mg/kg	22000		1.0	YES	S4VEM
Barium	Target	86.9		mg/kg	86.9		1.0	YES	S4VEM
Beryllium	Target	0.81		mg/kg	0.81		1.0	YES	S4VEM
Cadmium	Target	0.66	U	mg/kg	0.66	U	1.0	YES	S4VEM
Calcium	Target	487	JQ	mg/kg	487	J	1.0	YES	S4VEM
Chromium	Target	46.2		mg/kg	46.2		1.0	YES	S4VEM
Cobalt	Target	13.0		mg/kg	13.0		1.0	YES	S4VEM
Copper	Target	30.2		mg/kg	30.2		1.0	YES	S4VEM
Iron	Target	32100		mg/kg	32100		1.0	YES	S4VEM
Lead	Target	6.9		mg/kg	6.9		1.0	YES	S4VEM
Magnesium	Target	5680		mg/kg	5680		1.0	YES	S4VEM
Manganese	Target	269		mg/kg	269		1.0	YES	S4VEM
Nickel	Target	53.8		mg/kg	53.8		1.0	YES	S4VEM
Potassium	Target	371	JQ	mg/kg	371	J	1.0	YES	S4VEM
Silver	Target	0.43	JQ	mg/kg	0.43	J*	1.0	YES	S4VEM
Sodium	Target	663	U	mg/kg	663	U	1.0	YES	S4VEM
Zinc	Target	105		mg/kg	105		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD09SD	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.13	JQ	mg/kg	0.13	J	1.0	YES	S4VEM
Arsenic	Target	4.9		mg/kg	4.9		1.0	YES	S4VEM
Selenium	Target	1.0	JQ	mg/kg	1.0	J*	1.0	YES	S4VEM
Thallium	Target	0.70	U	mg/kg	0.070	J	1.0	YES	S4VEM
Vanadium	Target	56.3		mg/kg	56.3	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2A	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Selenium	Spike	8.9		mg/kg	8.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.079	J	mg/kg	0.079	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	22900		mg/kg	22900		1.0	YES	S4VEM
Barium	Target	90.8		mg/kg	90.8		1.0	YES	S4VEM
Beryllium	Target	0.87		mg/kg	0.87		1.0	YES	S4VEM
Cadmium	Target	0.67	U	mg/kg	0.67	U	1.0	YES	S4VEM
Calcium	Target	502	J	mg/kg	502	J	1.0	YES	S4VEM
Chromium	Target	47.1		mg/kg	47.1		1.0	YES	S4VEM
Cobalt	Target	13.1		mg/kg	13.1		1.0	YES	S4VEM
Copper	Target	30.8		mg/kg	30.8		1.0	YES	S4VEM
Iron	Target	32900		mg/kg	32900		1.0	YES	S4VEM
Lead	Target	7.2		mg/kg	7.2		1.0	YES	S4VEM
Magnesium	Target	5810		mg/kg	5810		1.0	YES	S4VEM
Manganese	Target	273		mg/kg	273		1.0	YES	S4VEM
Nickel	Target	54.9		mg/kg	54.9		1.0	YES	S4VEM
Potassium	Target	389	J	mg/kg	389	J	1.0	YES	S4VEM
Silver	Target	0.47	J	mg/kg	0.47	J	1.0	YES	S4VEM
Sodium	Target	673	U	mg/kg	673	U	1.0	YES	S4VEM
Zinc	Target	96.4		mg/kg	96.4		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2D	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.15	J	mg/kg	0.15	J	1.0	YES	S4VEM
Arsenic	Target	4.7		mg/kg	4.7		1.0	YES	S4VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1.0	YES	S4VEM
Thallium	Target	0.056	J	mg/kg	0.056	J	1.0	YES	S4VEM
Vanadium	Target	54.8		mg/kg	54.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	21500		mg/kg	21500		5.0	YES	S4VEM
Barium	Target	85.4	J	mg/kg	85.4	J	5.0	YES	S4VEM
Beryllium	Target	0.70	J	mg/kg	0.70	J	5.0	YES	S4VEM
Cadmium	Target	3.3	U	mg/kg	3.3	U	5.0	YES	S4VEM
Calcium	Target	480	J	mg/kg	480	J	5.0	YES	S4VEM
Chromium	Target	46.0		mg/kg	46.0		5.0	YES	S4VEM
Cobalt	Target	12.3	J	mg/kg	12.3	J	5.0	YES	S4VEM
Copper	Target	30.3		mg/kg	30.3		5.0	YES	S4VEM
Iron	Target	31500		mg/kg	31500		5.0	YES	S4VEM
Lead	Target	5.7	J	mg/kg	5.7	J	5.0	YES	S4VEM
Magnesium	Target	5550		mg/kg	5550		5.0	YES	S4VEM
Manganese	Target	266		mg/kg	266		5.0	YES	S4VEM
Nickel	Target	51.8		mg/kg	51.8		5.0	YES	S4VEM
Potassium	Target	200	J	mg/kg	200	J	5.0	YES	S4VEM
Silver	Target	6.5	U	mg/kg	6.5	U	5.0	YES	S4VEM
Sodium	Target	3320	U	mg/kg	3320	U	5.0	YES	S4VEM
Zinc	Target	94.4		mg/kg	94.4		5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2L	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	7.0	U	mg/kg	7.0	U	5.0	YES	S4VEM
Arsenic	Target	5.0		mg/kg	5.0		5.0	YES	S4VEM
Selenium	Target	4.7	J	mg/kg	4.7	J	5.0	YES	S4VEM
Thallium	Target	3.5	U	mg/kg	3.5	U	5.0	YES	S4VEM
Vanadium	Target	63.7		mg/kg	63.7	*	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	1.1		mg/kg	1.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Barium	Spike	649		mg/kg	649		1.0	YES	S4VEM
Beryllium	Spike	15.2		mg/kg	15.2		1.0	YES	S4VEM
Cadmium	Spike	12.8		mg/kg	12.8		1.0	YES	S4VEM
Chromium	Spike	105		mg/kg	105		1.0	YES	S4VEM
Cobalt	Spike	154		mg/kg	154		1.0	YES	S4VEM
Copper	Spike	92.5		mg/kg	92.5		1.0	YES	S4VEM
Lead	Spike	12.1		mg/kg	12.1		1.0	YES	S4VEM
Manganese	Spike	392		mg/kg	392		1.0	YES	S4VEM
Nickel	Spike	202		mg/kg	202		1.0	YES	S4VEM
Silver	Spike	10.5		mg/kg	10.5	*	1.0	YES	S4VEM
Zinc	Spike	248		mg/kg	248		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY2S	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 53.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	10.5		mg/kg	10.5		1.0	YES	S4VEM
Arsenic	Spike	10.8		mg/kg	10.8		1.0	YES	S4VEM
Selenium	Spike	10.3		mg/kg	10.3	*	1.0	YES	S4VEM
Thallium	Spike	6.5		mg/kg	6.5		1.0	YES	S4VEM
Vanadium	Spike	120		mg/kg	120		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS831	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.0040	J	mg/kg	0.0040	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS840	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1.0	YES	S4VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Iron	Target	10.0	U	mg/kg	10.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Magnesium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1.0	YES	S4VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1.0	YES	S4VEM
Potassium	Target	500	U	mg/kg	-25	J	1.0	YES	S4VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Sodium	Target	500	U	mg/kg	-38	J	1.0	YES	S4VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX0** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS868	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Arsenic	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Selenium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Thallium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Vanadium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 20 soil/sediment samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLTQ6	MJLTR6	MJLTR8	MJLTR9	MJLTS0
MJLTS1	MJLTS2	MJLTS3	MJLTS6	MJLTS7
MJLTS8	MJLTS9	MJLTT2	MJLTT3	MJLTT8
MJLTW4	MJLTW5	MJLTX4	MJLTX5	MJLTX6

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 21, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLTX4

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of twenty / sediment soil samples, collected from the above referenced site, has been completed. These samples were analyzed for total metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	Holding Times met	N	Cool ≤ 6°C Metals 180 Days, Mercury 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85 – 115% Recovery
Interference Check Std.	88 - 117%	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike[3]	**85 – 123% Out: V (65%)**	**Y**	**75 - 125%**
Lab Duplicate	≤ 13% or ± 2xCRQL	N	≤ 35% RPD or ± 2xCRQL
LCS (blank spike)	85 – 127%	N	70 - 130% Recovery Ag, Sb 50 – 150% Recovery
Serial Dilution[4]	**≤ 9% Out: Pb (22%), V (33%)**	**Y**	**≤ 15% Difference**

[1] Sample MJLTW5 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3] The Matrix Spike recovery was not determined for **Manganese** as the indigenous concentration of this analyte in the sample exceeded the matrix spike concentration by > 4x.

[4] The ICP Serial Dilution evaluation was limited to the **Aluminum, Chromium, Copper, Iron, lead, Magnesium, Manganese, Nickel,** and **Zinc** data as the native concentrations of the remaining elements were too low for conducting a quantitative comparison of the 1:5 serial dilutions.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results < CRQLs (below the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs.

Data Qualifications: Sample results are qualified U and the values elevated to the CRQLs.	
Qualified Analytical Results:	
Antimony –	MJLTQ6, MJLTR6, MJLTR8, MJLTR9, MJLTS1, MJLTS2, MJLTS3, MJLTS6, MJLTS7, MJLTS8, MJLTS9, MJLTT2, MJLTT3, MJLTT8, MJLTW4, MJLTW5, MJLTX4, MJLTX5, MJLTX6
Mercury –	MJLTQ6, MJLTR6, MJLTR8, MJLTR9, MJLTS0, MJLTS1, MJLTS2, MJLTS3, MJLTS6, MJLTS8, MJLTS9, MJLTT2, MJLTT3, MJLTX4, MJLTX6
Potassium -	MJLTW4
Thallium –	MJLTQ6, MJLTR6, MJLTR8, MJLTR9, MJLTS0, MJLTS1, MJLTS6, MJLTS7, MJLTS8, MJLTS9, MJLTT2, MJLTT8, MJLTW4, MJLTW5, MJLTX4, MJLTX5, MJLTX6

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.	
Qualified Analytical Results:	
Beryllium -	MJLTS3, MJLTX4, MJLTX6
Cadmium -	MJLTQ6, MJLTR6, MJLTR9, MJLTS0, MJLTX6
Potassium –	MJLTS3, MJLTS7, MJLTS8, MJLTT8, MJLTW5, MJLTX4, MJLTX6
Selenium -	MJLTQ6, MJLTR8, MJLTS0, MJLTT2, MJLTT8, MJLTW4, MJLTX6
Silver –	MJLTQ6, MJLTR9, MJLTS2, MJLTS3, MJLTS6, MJLTT3, MJLTW4, MJLTW5, MJLTX4, MJLTX5, MJLTX6
Sodium –	MJLTQ6, MJLTR6, MJLTR8, MJLTR9, MJLTS1, MJLTS2, MJLTS3, MJLTS7, MJLTS8, MJLTS9, MJLTT2, MJLTT3, MJLTT8, MJLTX5, MJLTX6

3. Matrix Spike: The spike recovery for **Vanadium** (65%) was below the 75-125% criteria and the post digestion spike was within the criteria. **All Vanadium data were detected above the CRQLs and qualified J.**

4. Serial Dilution: The percent differences for **Lead** (22%) and **Vanadium** (33%) exceeded the 15%D criteria for soils. **All sample results for these analytes were > CRQL and qualified J.**

5. ICP-MS Internal Standard: The internal standard recoveries for Scandium exceeded the 60-125% criteria in several samples which resulted in a 1:2 dilution of the digests for Vanadium. **Recoveries for the dilutions were within the criteria with the exception of MJLTW5 which the lab reported undiluted and was qualified J for Vanadium.**

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLTQ6	Soil	9/10/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTR6	Soil	9/10/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTR8	Soil	9/10/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTR9	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS0	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS1	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS2	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS3	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS6	Soil	9/10/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS7	Soil	9/10/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS8	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTS9	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTT2	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTT3	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTT8	Soil	9/11/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTW4	Soil	9/10/2020	9/17/2020	9/25/2020	9/21/2020	9/22/2020
MJLTW5	Soil	9/10/2020	9/17/2020	9/22/2020	9/21/2020	9/22/2020
MJLTX4	Sediment	9/9/2020	9/12/2020	9/22/2020	9/21/2020	9/22/2020
MJLTX5	Sediment	9/9/2020	9/12/2020	9/22/2020	9/21/2020	9/22/2020
MJLTX6	Sediment	9/9/2020	9/12/2020	9/22/2020	9/21/2020	9/22/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS756	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	40.9		mg/kg	40.9		1.0	YES	S4VEM
Barium	Spike	45.8		mg/kg	45.8		1.0	YES	S4VEM
Beryllium	Spike	0.99		mg/kg	0.99		1.0	YES	S4VEM
Cadmium	Spike	1.0		mg/kg	1.0		1.0	YES	S4VEM
Calcium	Spike	1000		mg/kg	1000		1.0	YES	S4VEM
Chromium	Spike	2.2		mg/kg	2.2		1.0	YES	S4VEM
Cobalt	Spike	9.6		mg/kg	9.6		1.0	YES	S4VEM
Copper	Spike	4.8		mg/kg	4.8		1.0	YES	S4VEM
Iron	Spike	25.4		mg/kg	25.4		1.0	YES	S4VEM
Lead	Spike	2.0		mg/kg	2.0		1.0	YES	S4VEM
Magnesium	Spike	985		mg/kg	985		1.0	YES	S4VEM
Manganese	Spike	3.2		mg/kg	3.2		1.0	YES	S4VEM
Nickel	Spike	8.2		mg/kg	8.2		1.0	YES	S4VEM
Potassium	Spike	922		mg/kg	922		1.0	YES	S4VEM
Silver	Spike	1.9		mg/kg	1.9		1.0	YES	S4VEM
Sodium	Spike	994		mg/kg	994		1.0	YES	S4VEM
Zinc	Spike	13.3		mg/kg	13.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS766	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	1.8		mg/kg	1.8		1.0	YES	S4VEM
Arsenic	Spike	0.85		mg/kg	0.85		1.0	YES	S4VEM
Selenium	Spike	4.4		mg/kg	4.4		1.0	YES	S4VEM
Thallium	Spike	0.89		mg/kg	0.89		1.0	YES	S4VEM
Vanadium	Spike	4.8		mg/kg	4.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL04TP01	pH:	Sample Date: 09/10/2020	Sample Time: 16:24:00
% Moisture:		% Solids: 90.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.085	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL04TP01	pH:	Sample Date: 09/10/2020	Sample Time: 16:24:00
% Moisture:		% Solids: 90.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20300		mg/kg	20300		1.0	YES	S4VEM
Barium	Target	54.6		mg/kg	54.6		1.0	YES	S4VEM
Beryllium	Target	0.60		mg/kg	0.60		1.0	YES	S4VEM
Cadmium	Target	0.038	JQ	mg/kg	0.038	J	1.0	YES	S4VEM
Calcium	Target	3460		mg/kg	3460		1.0	YES	S4VEM
Chromium	Target	63.3		mg/kg	63.3		1.0	YES	S4VEM
Cobalt	Target	16.6		mg/kg	16.6	*	1.0	YES	S4VEM
Copper	Target	51.9		mg/kg	51.9		1.0	YES	S4VEM
Iron	Target	27100		mg/kg	27100		1.0	YES	S4VEM
Lead	Target	7.6	J	mg/kg	7.6	*	1.0	YES	S4VEM
Magnesium	Target	11400		mg/kg	11400		1.0	YES	S4VEM
Manganese	Target	400		mg/kg	400		1.0	YES	S4VEM
Nickel	Target	77.9		mg/kg	77.9		1.0	YES	S4VEM
Potassium	Target	600		mg/kg	600		1.0	YES	S4VEM
Silver	Target	0.70	JQ	mg/kg	0.70	J	1.0	YES	S4VEM
Sodium	Target	37.0	JQ	mg/kg	37.0	J	1.0	YES	S4VEM
Zinc	Target	65.2		mg/kg	65.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTQ6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL04TP01	pH:	Sample Date: 09/10/2020	Sample Time: 16:24:00
% Moisture:		% Solids: 90.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.79	U	mg/kg	0.16	J	1.0	YES	S4VEM
Arsenic	Target	1.8		mg/kg	1.8	*	1.0	YES	S4VEM
Selenium	Target	0.42	JQ	mg/kg	0.42	J	1.0	YES	S4VEM
Thallium	Target	0.40	U	mg/kg	0.036	J	1.0	YES	S4VEM
Vanadium	Target	48.3	J	mg/kg	48.3	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL09GP01	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 86.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.090	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL09GP01	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 86.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	23000		mg/kg	23000		1.0	YES	S4VEM
Barium	Target	78.8		mg/kg	78.8		1.0	YES	S4VEM
Beryllium	Target	0.74		mg/kg	0.74		1.0	YES	S4VEM
Cadmium	Target	0.11	JQ	mg/kg	0.11	J	1.0	YES	S4VEM
Calcium	Target	3800		mg/kg	3800		1.0	YES	S4VEM
Chromium	Target	65.2		mg/kg	65.2		1.0	YES	S4VEM
Cobalt	Target	33.6		mg/kg	33.6	*	1.0	YES	S4VEM
Copper	Target	58.5		mg/kg	58.5		1.0	YES	S4VEM
Iron	Target	36400		mg/kg	36400		1.0	YES	S4VEM
Lead	Target	13.4	J	mg/kg	13.4	*	1.0	YES	S4VEM
Magnesium	Target	11800		mg/kg	11800		1.0	YES	S4VEM
Manganese	Target	827		mg/kg	827		1.0	YES	S4VEM
Nickel	Target	86.5		mg/kg	86.5		1.0	YES	S4VEM
Potassium	Target	519		mg/kg	519		1.0	YES	S4VEM
Silver	Target	0.96		mg/kg	0.96		1.0	YES	S4VEM
Sodium	Target	45.5	JQ	mg/kg	45.5	J	1.0	YES	S4VEM
Zinc	Target	97.6		mg/kg	97.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL09GP01	pH:	Sample Date: 09/10/2020	Sample Time: 11:32:00
% Moisture:		% Solids: 86.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.84	U	mg/kg	0.27	J	1.0	YES	S4VEM
Arsenic	Target	3.8		mg/kg	3.8	*	1.0	YES	S4VEM
Selenium	Target	2.1	U	mg/kg	2.1	U	1.0	YES	S4VEM
Thallium	Target	0.42	U	mg/kg	0.076	J	1.0	YES	S4VEM
Vanadium	Target	72.7	J	mg/kg	72.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL10GP01	pH:	Sample Date: 09/10/2020	Sample Time: 12:39:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.081	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL10GP01	pH:	Sample Date: 09/10/2020	Sample Time: 12:39:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	26200		mg/kg	26200		1.0	YES	S4VEM
Barium	Target	60.1		mg/kg	60.1		1.0	YES	S4VEM
Beryllium	Target	0.86		mg/kg	0.86		1.0	YES	S4VEM
Cadmium	Target	0.45	U	mg/kg	0.45	U	1.0	YES	S4VEM
Calcium	Target	8460		mg/kg	8460		1.0	YES	S4VEM
Chromium	Target	77.1		mg/kg	77.1		1.0	YES	S4VEM
Cobalt	Target	25.8		mg/kg	25.8	*	1.0	YES	S4VEM
Copper	Target	48.7		mg/kg	48.7		1.0	YES	S4VEM
Iron	Target	45600		mg/kg	45600		1.0	YES	S4VEM
Lead	Target	9.1	J	mg/kg	9.1	*	1.0	YES	S4VEM
Magnesium	Target	12300		mg/kg	12300		1.0	YES	S4VEM
Manganese	Target	521		mg/kg	521		1.0	YES	S4VEM
Nickel	Target	123		mg/kg	123		1.0	YES	S4VEM
Potassium	Target	596		mg/kg	596		1.0	YES	S4VEM
Silver	Target	1.0		mg/kg	1.0		1.0	YES	S4VEM
Sodium	Target	119	JQ	mg/kg	119	J	1.0	YES	S4VEM
Zinc	Target	75.8		mg/kg	75.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR8	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL10GP01	pH:	Sample Date: 09/10/2020	Sample Time: 12:39:00
% Moisture:		% Solids: 87.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.80	U	mg/kg	0.23	J	1.0	YES	S4VEM
Arsenic	Target	3.8		mg/kg	3.8	*	1.0	YES	S4VEM
Selenium	Target	0.58	JQ	mg/kg	0.58	J	1.0	YES	S4VEM
Thallium	Target	0.40	U	mg/kg	0.040	J	1.0	YES	S4VEM
Vanadium	Target	63.7	J	mg/kg	63.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: OP02TP01	pH:	Sample Date: 09/11/2020	Sample Time: 15:03:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.10	U	mg/kg	0.013	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: OP02TP01	pH:	Sample Date: 09/11/2020	Sample Time: 15:03:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24200		mg/kg	24200		1.0	YES	S4VEM
Barium	Target	142		mg/kg	142		1.0	YES	S4VEM
Beryllium	Target	0.60		mg/kg	0.60		1.0	YES	S4VEM
Cadmium	Target	0.17	JQ	mg/kg	0.17	J	1.0	YES	S4VEM
Calcium	Target	6220		mg/kg	6220		1.0	YES	S4VEM
Chromium	Target	70.5		mg/kg	70.5		1.0	YES	S4VEM
Cobalt	Target	17.0		mg/kg	17.0	*	1.0	YES	S4VEM
Copper	Target	73.7		mg/kg	73.7		1.0	YES	S4VEM
Iron	Target	30900		mg/kg	30900		1.0	YES	S4VEM
Lead	Target	25.4	J	mg/kg	25.4	*	1.0	YES	S4VEM
Magnesium	Target	9600		mg/kg	9600		1.0	YES	S4VEM
Manganese	Target	744		mg/kg	744		1.0	YES	S4VEM
Nickel	Target	78.0		mg/kg	78.0		1.0	YES	S4VEM
Potassium	Target	2570		mg/kg	2570		1.0	YES	S4VEM
Silver	Target	0.84	JQ	mg/kg	0.84	J	1.0	YES	S4VEM
Sodium	Target	362	JQ	mg/kg	362	J	1.0	YES	S4VEM
Zinc	Target	171		mg/kg	171		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTR9	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: OP02TP01	pH:	Sample Date: 09/11/2020	Sample Time: 15:03:00
% Moisture:		% Solids: 83.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.90	U	mg/kg	0.48	J	1.0	YES	S4VEM
Arsenic	Target	3.4		mg/kg	3.4	*	1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.031	J	1.0	YES	S4VEM
Vanadium	Target	58.0	J	mg/kg	58.0	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL11TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:48:00
% Moisture:		% Solids: 71.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14	U	mg/kg	0.11	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL11TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:48:00
% Moisture:		% Solids: 71.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	16300		mg/kg	16300		1.0	YES	S4VEM
Barium	Target	267		mg/kg	267		1.0	YES	S4VEM
Beryllium	Target	0.71		mg/kg	0.71		1.0	YES	S4VEM
Cadmium	Target	0.076	JQ	mg/kg	0.076	J	1.0	YES	S4VEM
Calcium	Target	9530		mg/kg	9530		1.0	YES	S4VEM
Chromium	Target	53.7		mg/kg	53.7		1.0	YES	S4VEM
Cobalt	Target	9.7		mg/kg	9.7	*	1.0	YES	S4VEM
Copper	Target	343		mg/kg	343		1.0	YES	S4VEM
Iron	Target	50000		mg/kg	50000		1.0	YES	S4VEM
Lead	Target	104	J	mg/kg	104	*	1.0	YES	S4VEM
Magnesium	Target	5840		mg/kg	5840		1.0	YES	S4VEM
Manganese	Target	508		mg/kg	508		1.0	YES	S4VEM
Nickel	Target	60.4		mg/kg	60.4		1.0	YES	S4VEM
Potassium	Target	1680		mg/kg	1680		1.0	YES	S4VEM
Silver	Target	1.4		mg/kg	1.4		1.0	YES	S4VEM
Sodium	Target	1910		mg/kg	1910		1.0	YES	S4VEM
Zinc	Target	304		mg/kg	304		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS0	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL11TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:48:00
% Moisture:		% Solids: 71.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	5.5		mg/kg	5.5		1.0	YES	S4VEM
Arsenic	Target	8.0		mg/kg	8.0	*	1.0	YES	S4VEM
Selenium	Target	0.51	JQ	mg/kg	0.51	J	1.0	YES	S4VEM
Thallium	Target	0.50	U	mg/kg	0.030	J	1.0	YES	S4VEM
Vanadium	Target	46.1	J	mg/kg	46.1	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL11TP02	pH:	Sample Date: 09/11/2020	Sample Time: 11:33:00
% Moisture:		% Solids: 85.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.10	U	mg/kg	0.10		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL11TP02	pH:	Sample Date: 09/11/2020	Sample Time: 11:33:00
% Moisture:		% Solids: 85.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	27200		mg/kg	27200		1.0	YES	S4VEM
Barium	Target	49.7		mg/kg	49.7		1.0	YES	S4VEM
Beryllium	Target	0.72		mg/kg	0.72		1.0	YES	S4VEM
Cadmium	Target	0.42	U	mg/kg	0.42	U	1.0	YES	S4VEM
Calcium	Target	2400		mg/kg	2400		1.0	YES	S4VEM
Chromium	Target	81.9		mg/kg	81.9		1.0	YES	S4VEM
Cobalt	Target	21.9		mg/kg	21.9	*	1.0	YES	S4VEM
Copper	Target	54.6		mg/kg	54.6		1.0	YES	S4VEM
Iron	Target	38000		mg/kg	38000		1.0	YES	S4VEM
Lead	Target	20.2	J	mg/kg	20.2	*	1.0	YES	S4VEM
Magnesium	Target	11500		mg/kg	11500		1.0	YES	S4VEM
Manganese	Target	492		mg/kg	492		1.0	YES	S4VEM
Nickel	Target	192		mg/kg	192		1.0	YES	S4VEM
Potassium	Target	422		mg/kg	422		1.0	YES	S4VEM
Silver	Target	0.90		mg/kg	0.90		1.0	YES	S4VEM
Sodium	Target	175	JQ	mg/kg	175	J	1.0	YES	S4VEM
Zinc	Target	80.3		mg/kg	80.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS1	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL11TP02	pH:	Sample Date: 09/11/2020	Sample Time: 11:33:00
% Moisture:		% Solids: 85.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.81	U	mg/kg	0.44	J	1.0	YES	S4VEM
Arsenic	Target	2.8		mg/kg	2.8	*	1.0	YES	S4VEM
Selenium	Target	2.0	U	mg/kg	2.0	U	1.0	YES	S4VEM
Thallium	Target	0.41	U	mg/kg	0.033	J	1.0	YES	S4VEM
Vanadium	Target	46.7	J	mg/kg	46.7	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL12TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:03:00
% Moisture:		% Solids: 95.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.090	U	mg/kg	0.055	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL12TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:03:00
% Moisture:		% Solids: 95.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17900		mg/kg	17900		1.0	YES	S4VEM
Barium	Target	37.8		mg/kg	37.8		1.0	YES	S4VEM
Beryllium	Target	0.54		mg/kg	0.54		1.0	YES	S4VEM
Cadmium	Target	0.37	U	mg/kg	0.37	U	1.0	YES	S4VEM
Calcium	Target	4130		mg/kg	4130		1.0	YES	S4VEM
Chromium	Target	72.9		mg/kg	72.9		1.0	YES	S4VEM
Cobalt	Target	13.9		mg/kg	13.9	*	1.0	YES	S4VEM
Copper	Target	42.7		mg/kg	42.7		1.0	YES	S4VEM
Iron	Target	27900		mg/kg	27900		1.0	YES	S4VEM
Lead	Target	5.0	J	mg/kg	5.0	*	1.0	YES	S4VEM
Magnesium	Target	14100		mg/kg	14100		1.0	YES	S4VEM
Manganese	Target	341		mg/kg	341		1.0	YES	S4VEM
Nickel	Target	84.1		mg/kg	84.1		1.0	YES	S4VEM
Potassium	Target	412		mg/kg	412		1.0	YES	S4VEM
Silver	Target	0.69	JQ	mg/kg	0.69	J	1.0	YES	S4VEM
Sodium	Target	40.9	JQ	mg/kg	40.9	J	1.0	YES	S4VEM
Zinc	Target	57.8		mg/kg	57.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL12TP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:03:00
% Moisture:		% Solids: 95.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.75	U	mg/kg	0.13	J	1.0	YES	S4VEM
Arsenic	Target	2.0		mg/kg	2.0	*	1.0	YES	S4VEM
Selenium	Target	1.9	U	mg/kg	1.9	U	1.0	YES	S4VEM
Thallium	Target	0.38	U	mg/kg	0.38	U	1.0	YES	S4VEM
Vanadium	Target	37.6	J	mg/kg	37.6	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS3	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL12TP02	pH:	Sample Date: 09/11/2020	Sample Time: 10:14:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.041	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS3	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL12TP02	pH:	Sample Date: 09/11/2020	Sample Time: 10:14:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14300		mg/kg	14300		1.0	YES	S4VEM
Barium	Target	30.4		mg/kg	30.4		1.0	YES	S4VEM
Beryllium	Target	0.41	JQ	mg/kg	0.41	J	1.0	YES	S4VEM
Cadmium	Target	0.44	U	mg/kg	0.44	U	1.0	YES	S4VEM
Calcium	Target	3430		mg/kg	3430		1.0	YES	S4VEM
Chromium	Target	61.3		mg/kg	61.3		1.0	YES	S4VEM
Cobalt	Target	9.7		mg/kg	9.7	*	1.0	YES	S4VEM
Copper	Target	34.0		mg/kg	34.0		1.0	YES	S4VEM
Iron	Target	20900		mg/kg	20900		1.0	YES	S4VEM
Lead	Target	3.8	J	mg/kg	3.8	*	1.0	YES	S4VEM
Magnesium	Target	10900		mg/kg	10900		1.0	YES	S4VEM
Manganese	Target	215		mg/kg	215		1.0	YES	S4VEM
Nickel	Target	65.9		mg/kg	65.9		1.0	YES	S4VEM
Potassium	Target	351	JQ	mg/kg	351	J	1.0	YES	S4VEM
Silver	Target	0.53	JQ	mg/kg	0.53	J	1.0	YES	S4VEM
Sodium	Target	48.0	JQ	mg/kg	48.0	J	1.0	YES	S4VEM
Zinc	Target	46.2		mg/kg	46.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS3	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL12TP02	pH:	Sample Date: 09/11/2020	Sample Time: 10:14:00
% Moisture:		% Solids: 77.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.90	U	mg/kg	0.18	J	1.0	YES	S4VEM
Arsenic	Target	1.4		mg/kg	1.4	*	1.0	YES	S4VEM
Selenium	Target	2.3	U	mg/kg	2.3	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.45	U	1.0	YES	S4VEM
Vanadium	Target	28.6	J	mg/kg	28.6	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 82.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.053	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 82.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	18100		mg/kg	18100		1.0	YES	S4VEM
Barium	Target	108		mg/kg	108		1.0	YES	S4VEM
Beryllium	Target	0.56		mg/kg	0.56		1.0	YES	S4VEM
Cadmium	Target	0.45	U	mg/kg	0.45	U	1.0	YES	S4VEM
Calcium	Target	5980		mg/kg	5980		1.0	YES	S4VEM
Chromium	Target	59.1		mg/kg	59.1		1.0	YES	S4VEM
Cobalt	Target	15.4		mg/kg	15.4	*	1.0	YES	S4VEM
Copper	Target	52.5		mg/kg	52.5		1.0	YES	S4VEM
Iron	Target	27800		mg/kg	27800		1.0	YES	S4VEM
Lead	Target	14.5	J	mg/kg	14.5	*	1.0	YES	S4VEM
Magnesium	Target	10800		mg/kg	10800		1.0	YES	S4VEM
Manganese	Target	529		mg/kg	529		1.0	YES	S4VEM
Nickel	Target	67.5		mg/kg	67.5		1.0	YES	S4VEM
Potassium	Target	945		mg/kg	945		1.0	YES	S4VEM
Silver	Target	0.78	JQ	mg/kg	0.78	J	1.0	YES	S4VEM
Sodium	Target	481		mg/kg	481		1.0	YES	S4VEM
Zinc	Target	104		mg/kg	104		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 82.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.90	U	mg/kg	0.54	J	1.0	YES	S4VEM
Arsenic	Target	2.9		mg/kg	2.9	*	1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.045	J	1.0	YES	S4VEM
Vanadium	Target	51.3	J	mg/kg	51.3	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS7	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 77.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.17		mg/kg	0.17		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS7	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 77.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	34700		mg/kg	34700		1.0	YES	S4VEM
Barium	Target	58.3		mg/kg	58.3		1.0	YES	S4VEM
Beryllium	Target	0.68		mg/kg	0.68		1.0	YES	S4VEM
Cadmium	Target	0.46	U	mg/kg	0.46	U	1.0	YES	S4VEM
Calcium	Target	1180		mg/kg	1180		1.0	YES	S4VEM
Chromium	Target	97.6		mg/kg	97.6		1.0	YES	S4VEM
Cobalt	Target	12.8		mg/kg	12.8	*	1.0	YES	S4VEM
Copper	Target	40.8		mg/kg	40.8		1.0	YES	S4VEM
Iron	Target	35500		mg/kg	35500		1.0	YES	S4VEM
Lead	Target	9.1	J	mg/kg	9.1	*	1.0	YES	S4VEM
Magnesium	Target	5440		mg/kg	5440		1.0	YES	S4VEM
Manganese	Target	214		mg/kg	214		1.0	YES	S4VEM
Nickel	Target	94.7		mg/kg	94.7		1.0	YES	S4VEM
Potassium	Target	232	JQ	mg/kg	232	J	1.0	YES	S4VEM
Silver	Target	0.94		mg/kg	0.94		1.0	YES	S4VEM
Sodium	Target	57.7	JQ	mg/kg	57.7	J	1.0	YES	S4VEM
Zinc	Target	55.1		mg/kg	55.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS7	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 77.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.90	U	mg/kg	0.28	J	1.0	YES	S4VEM
Arsenic	Target	4.9		mg/kg	4.9	*	1.0	YES	S4VEM
Selenium	Target	2.3	U	mg/kg	2.3	U	1.0	YES	S4VEM
Thallium	Target	0.45	U	mg/kg	0.072	J	1.0	YES	S4VEM
Vanadium	Target	88.6	J	mg/kg	88.6	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 78.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.12		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 78.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	36400		mg/kg	36400		1.0	YES	S4VEM
Barium	Target	44.8		mg/kg	44.8		1.0	YES	S4VEM
Beryllium	Target	0.78		mg/kg	0.78		1.0	YES	S4VEM
Cadmium	Target	0.43	U	mg/kg	0.43	U	1.0	YES	S4VEM
Calcium	Target	1850		mg/kg	1850		1.0	YES	S4VEM
Chromium	Target	114		mg/kg	114		1.0	YES	S4VEM
Cobalt	Target	17.7		mg/kg	17.7	*	1.0	YES	S4VEM
Copper	Target	54.2		mg/kg	54.2		1.0	YES	S4VEM
Iron	Target	43400		mg/kg	43400		1.0	YES	S4VEM
Lead	Target	10.3	J	mg/kg	10.3	*	1.0	YES	S4VEM
Magnesium	Target	12900		mg/kg	12900		1.0	YES	S4VEM
Manganese	Target	377		mg/kg	377		1.0	YES	S4VEM
Nickel	Target	123		mg/kg	123		1.0	YES	S4VEM
Potassium	Target	329	JQ	mg/kg	329	J	1.0	YES	S4VEM
Silver	Target	1.0		mg/kg	1.0		1.0	YES	S4VEM
Sodium	Target	31.4	JQ	mg/kg	31.4	J	1.0	YES	S4VEM
Zinc	Target	74.7		mg/kg	74.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS8	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 78.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.96	U	mg/kg	0.21	J	1.0	YES	S4VEM
Arsenic	Target	3.8		mg/kg	3.8	*	1.0	YES	S4VEM
Selenium	Target	2.4	U	mg/kg	2.4	U	1.0	YES	S4VEM
Thallium	Target	0.48	U	mg/kg	0.057	J	1.0	YES	S4VEM
Vanadium	Target	77.8	J	mg/kg	77.8	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 92.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.097	U	mg/kg	0.048	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 92.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	23200		mg/kg	23200		1.0	YES	S4VEM
Barium	Target	31.3		mg/kg	31.3		1.0	YES	S4VEM
Beryllium	Target	0.79		mg/kg	0.79		1.0	YES	S4VEM
Cadmium	Target	0.37	U	mg/kg	0.37	U	1.0	YES	S4VEM
Calcium	Target	1390		mg/kg	1390		1.0	YES	S4VEM
Chromium	Target	64.8		mg/kg	64.8		1.0	YES	S4VEM
Cobalt	Target	26.2		mg/kg	26.2	*	1.0	YES	S4VEM
Copper	Target	64.4		mg/kg	64.4		1.0	YES	S4VEM
Iron	Target	34500		mg/kg	34500		1.0	YES	S4VEM
Lead	Target	5.8	J	mg/kg	5.8	*	1.0	YES	S4VEM
Magnesium	Target	13700		mg/kg	13700		1.0	YES	S4VEM
Manganese	Target	446		mg/kg	446		1.0	YES	S4VEM
Nickel	Target	175		mg/kg	175		1.0	YES	S4VEM
Potassium	Target	506		mg/kg	506		1.0	YES	S4VEM
Silver	Target	0.82		mg/kg	0.82		1.0	YES	S4VEM
Sodium	Target	29.5	JQ	mg/kg	29.5	J	1.0	YES	S4VEM
Zinc	Target	63.3		mg/kg	63.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTS9	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 92.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.79	U	mg/kg	0.12	J	1.0	YES	S4VEM
Arsenic	Target	1.6		mg/kg	1.6	*	1.0	YES	S4VEM
Selenium	Target	2.0	U	mg/kg	2.0	U	1.0	YES	S4VEM
Thallium	Target	0.40	U	mg/kg	0.024	J	1.0	YES	S4VEM
Vanadium	Target	35.9	J	mg/kg	35.9	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 84.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.11	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 84.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	27100		mg/kg	27100		1.0	YES	S4VEM
Barium	Target	106		mg/kg	106		1.0	YES	S4VEM
Beryllium	Target	0.85		mg/kg	0.85		1.0	YES	S4VEM
Cadmium	Target	0.46	U	mg/kg	0.46	U	1.0	YES	S4VEM
Calcium	Target	2790		mg/kg	2790		1.0	YES	S4VEM
Chromium	Target	76.6		mg/kg	76.6		1.0	YES	S4VEM
Cobalt	Target	16.4		mg/kg	16.4	*	1.0	YES	S4VEM
Copper	Target	46.2		mg/kg	46.2		1.0	YES	S4VEM
Iron	Target	35200		mg/kg	35200		1.0	YES	S4VEM
Lead	Target	11.0	J	mg/kg	11.0	*	1.0	YES	S4VEM
Magnesium	Target	9220		mg/kg	9220		1.0	YES	S4VEM
Manganese	Target	507		mg/kg	507		1.0	YES	S4VEM
Nickel	Target	85.3		mg/kg	85.3		1.0	YES	S4VEM
Potassium	Target	625		mg/kg	625		1.0	YES	S4VEM
Silver	Target	0.94		mg/kg	0.94		1.0	YES	S4VEM
Sodium	Target	244	JQ	mg/kg	244	J	1.0	YES	S4VEM
Zinc	Target	86.8		mg/kg	86.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT2	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 84.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.86	U	mg/kg	0.23	J	1.0	YES	S4VEM
Arsenic	Target	3.5		mg/kg	3.5	*	1.0	YES	S4VEM
Selenium	Target	0.63	JQ	mg/kg	0.63	J	1.0	YES	S4VEM
Thallium	Target	0.43	U	mg/kg	0.056	J	1.0	YES	S4VEM
Vanadium	Target	64.7	J	mg/kg	64.7	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT3	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 91.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.062	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT3	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 91.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	16200		mg/kg	16200		1.0	YES	S4VEM
Barium	Target	37.6		mg/kg	37.6		1.0	YES	S4VEM
Beryllium	Target	0.49		mg/kg	0.49		1.0	YES	S4VEM
Cadmium	Target	0.39	U	mg/kg	0.39	U	1.0	YES	S4VEM
Calcium	Target	4760		mg/kg	4760		1.0	YES	S4VEM
Chromium	Target	57.7		mg/kg	57.7		1.0	YES	S4VEM
Cobalt	Target	12.4		mg/kg	12.4	*	1.0	YES	S4VEM
Copper	Target	55.4		mg/kg	55.4		1.0	YES	S4VEM
Iron	Target	26200		mg/kg	26200		1.0	YES	S4VEM
Lead	Target	3.6	J	mg/kg	3.6	*	1.0	YES	S4VEM
Magnesium	Target	12700		mg/kg	12700		1.0	YES	S4VEM
Manganese	Target	314		mg/kg	314		1.0	YES	S4VEM
Nickel	Target	72.2		mg/kg	72.2		1.0	YES	S4VEM
Potassium	Target	468		mg/kg	468		1.0	YES	S4VEM
Silver	Target	0.64	JQ	mg/kg	0.64	J	1.0	YES	S4VEM
Sodium	Target	63.8	JQ	mg/kg	63.8	J	1.0	YES	S4VEM
Zinc	Target	48.2		mg/kg	48.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT3	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 91.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.80	U	mg/kg	0.14	J	1.0	YES	S4VEM
Arsenic	Target	2.1		mg/kg	2.1	*	1.0	YES	S4VEM
Selenium	Target	2.0	U	mg/kg	2.0	U	1.0	YES	S4VEM
Thallium	Target	0.40	U	mg/kg	0.40	U	1.0	YES	S4VEM
Vanadium	Target	32.1	J	mg/kg	32.1	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 80.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 80.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	27600		mg/kg	27600		1.0	YES	S4VEM
Barium	Target	66.9		mg/kg	66.9		1.0	YES	S4VEM
Beryllium	Target	0.65		mg/kg	0.65		1.0	YES	S4VEM
Cadmium	Target	0.47	U	mg/kg	0.47	U	1.0	YES	S4VEM
Calcium	Target	3450		mg/kg	3450		1.0	YES	S4VEM
Chromium	Target	82.7		mg/kg	82.7		1.0	YES	S4VEM
Cobalt	Target	10.7		mg/kg	10.7	*	1.0	YES	S4VEM
Copper	Target	70.3		mg/kg	70.3		1.0	YES	S4VEM
Iron	Target	38300		mg/kg	38300		1.0	YES	S4VEM
Lead	Target	26.0	J	mg/kg	26.0	*	1.0	YES	S4VEM
Magnesium	Target	6760		mg/kg	6760		1.0	YES	S4VEM
Manganese	Target	308		mg/kg	308		1.0	YES	S4VEM
Nickel	Target	61.3		mg/kg	61.3		1.0	YES	S4VEM
Potassium	Target	377	JQ	mg/kg	377	J	1.0	YES	S4VEM
Silver	Target	0.98		mg/kg	0.98		1.0	YES	S4VEM
Sodium	Target	42.0	JQ	mg/kg	42.0	J	1.0	YES	S4VEM
Zinc	Target	169		mg/kg	169		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTT8	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 80.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.92	U	mg/kg	0.46	J	1.0	YES	S4VEM
Arsenic	Target	3.9		mg/kg	3.9	*	1.0	YES	S4VEM
Selenium	Target	0.48	JQ	mg/kg	0.48	J	1.0	YES	S4VEM
Thallium	Target	0.46	U	mg/kg	0.064	J	1.0	YES	S4VEM
Vanadium	Target	72.1	J	mg/kg	72.1	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL23TP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:06:00
% Moisture:		% Solids: 74.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16		mg/kg	0.16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL23TP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:06:00
% Moisture:		% Solids: 74.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	47200		mg/kg	47200		1.0	YES	S4VEM
Barium	Target	45.7		mg/kg	45.7		1.0	YES	S4VEM
Beryllium	Target	0.84		mg/kg	0.84		1.0	YES	S4VEM
Cadmium	Target	0.45	U	mg/kg	0.45	U	1.0	YES	S4VEM
Calcium	Target	1570		mg/kg	1570		1.0	YES	S4VEM
Chromium	Target	113		mg/kg	113		1.0	YES	S4VEM
Cobalt	Target	9.1		mg/kg	9.1	*	1.0	YES	S4VEM
Copper	Target	47.1		mg/kg	47.1		1.0	YES	S4VEM
Iron	Target	54200		mg/kg	54200		1.0	YES	S4VEM
Lead	Target	13.2	J	mg/kg	13.2	*	1.0	YES	S4VEM
Magnesium	Target	6120		mg/kg	6120		1.0	YES	S4VEM
Manganese	Target	188		mg/kg	188		1.0	YES	S4VEM
Nickel	Target	71.8		mg/kg	71.8		1.0	YES	S4VEM
Potassium	Target	452	U	mg/kg	352	J	1.0	YES	S4VEM
Silver	Target	0.81	JQ	mg/kg	0.81	J	1.0	YES	S4VEM
Sodium	Target	452	U	mg/kg	452	U	1.0	YES	S4VEM
Zinc	Target	55.8		mg/kg	55.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL23TP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:06:00
% Moisture:		% Solids: 74.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	U	mg/kg	0.19	J	1.0	YES	S4VEM
Arsenic	Target	5.1		mg/kg	5.1	*	1.0	YES	S4VEM
Selenium	Target	0.65	JQ	mg/kg	0.65	J	1.0	YES	S4VEM
Thallium	Target	0.51	U	mg/kg	0.091	J	1.0	YES	S4VEM
Vanadium	Target	106	J	mg/kg	106	D*	2.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SL23TP02	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15		mg/kg	0.15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SL23TP02	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35900		mg/kg	35900		1.0	YES	S4VEM
Barium	Target	48.1		mg/kg	48.1		1.0	YES	S4VEM
Beryllium	Target	0.76		mg/kg	0.76		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	1140		mg/kg	1140		1.0	YES	S4VEM
Chromium	Target	114		mg/kg	114		1.0	YES	S4VEM
Cobalt	Target	19.5		mg/kg	19.5	*	1.0	YES	S4VEM
Copper	Target	55.8		mg/kg	55.8		1.0	YES	S4VEM
Iron	Target	41400		mg/kg	41400		1.0	YES	S4VEM
Lead	Target	8.2	J	mg/kg	8.2	*	1.0	YES	S4VEM
Magnesium	Target	17500		mg/kg	17500		1.0	YES	S4VEM
Manganese	Target	411		mg/kg	411		1.0	YES	S4VEM
Nickel	Target	137		mg/kg	137		1.0	YES	S4VEM
Potassium	Target	442	JQ	mg/kg	442	J	1.0	YES	S4VEM
Silver	Target	0.95	JQ	mg/kg	0.95	J	1.0	YES	S4VEM
Sodium	Target	484	U	mg/kg	484	U	1.0	YES	S4VEM
Zinc	Target	79.1		mg/kg	79.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: SL23TP02	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.89	U	mg/kg	0.14	J	1.0	YES	S4VEM
Arsenic	Target	3.7		mg/kg	3.7	*	1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.44	U	mg/kg	0.080	J	1.0	YES	S4VEM
Vanadium	Target	67.5	J	mg/kg	67.5	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5A	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Vanadium	Spike	181	J	mg/kg	181		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16		mg/kg	0.16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	35500		mg/kg	35500		1.0	YES	S4VEM
Barium	Target	47.5		mg/kg	47.5		1.0	YES	S4VEM
Beryllium	Target	0.77		mg/kg	0.77		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	1120		mg/kg	1120		1.0	YES	S4VEM
Chromium	Target	112		mg/kg	112		1.0	YES	S4VEM
Cobalt	Target	19.2		mg/kg	19.2		1.0	YES	S4VEM
Copper	Target	54.8		mg/kg	54.8		1.0	YES	S4VEM
Iron	Target	40800		mg/kg	40800		1.0	YES	S4VEM
Lead	Target	8.3		mg/kg	8.3		1.0	YES	S4VEM
Magnesium	Target	17200		mg/kg	17200		1.0	YES	S4VEM
Manganese	Target	405		mg/kg	405		1.0	YES	S4VEM
Nickel	Target	136		mg/kg	136		1.0	YES	S4VEM
Potassium	Target	433	J	mg/kg	433	J	1.0	YES	S4VEM
Silver	Target	0.95		mg/kg	0.95		1.0	YES	S4VEM
Sodium	Target	477	U	mg/kg	477	U	1.0	YES	S4VEM
Zinc	Target	77.6		mg/kg	77.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5D	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.16	J	mg/kg	0.16	J	1.0	YES	S4VEM
Arsenic	Target	4.2		mg/kg	4.2		1.0	YES	S4VEM
Selenium	Target	2.2	U	mg/kg	2.2	U	1.0	YES	S4VEM
Thallium	Target	0.090	J	mg/kg	0.090	J	1.0	YES	S4VEM
Vanadium	Target	74.3	J	mg/kg	74.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	33100		mg/kg	33100		5.0	YES	S4VEM
Barium	Target	43.2	J	mg/kg	43.2	J	5.0	YES	S4VEM
Beryllium	Target	0.84	J	mg/kg	0.84	J	5.0	YES	S4VEM
Cadmium	Target	2.4	U	mg/kg	2.4	U	5.0	YES	S4VEM
Calcium	Target	1110	J	mg/kg	1110	J	5.0	YES	S4VEM
Chromium	Target	108		mg/kg	108		5.0	YES	S4VEM
Cobalt	Target	17.2	J	mg/kg	17.2	J*	5.0	YES	S4VEM
Copper	Target	54.8		mg/kg	54.8		5.0	YES	S4VEM
Iron	Target	38900		mg/kg	38900		5.0	YES	S4VEM
Lead	Target	6.4		mg/kg	6.4	*	5.0	YES	S4VEM
Magnesium	Target	16000		mg/kg	16000		5.0	YES	S4VEM
Manganese	Target	391		mg/kg	391		5.0	YES	S4VEM
Nickel	Target	124		mg/kg	124		5.0	YES	S4VEM
Potassium	Target	299	J	mg/kg	299	J	5.0	YES	S4VEM
Silver	Target	0.85	J	mg/kg	0.85	J	5.0	YES	S4VEM
Sodium	Target	2420	U	mg/kg	2420	U	5.0	YES	S4VEM
Zinc	Target	72.3		mg/kg	72.3		5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5L	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.69	J	mg/kg	0.69	J	5.0	YES	S4VEM
Arsenic	Target	16.5		mg/kg	16.5	*	5.0	YES	S4VEM
Selenium	Target	11.0	U	mg/kg	11.0	U	5.0	YES	S4VEM
Thallium	Target	0.35	J	mg/kg	0.35	J	5.0	YES	S4VEM
Vanadium	Target	318		mg/kg	318	*	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.75		mg/kg	0.75		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Barium	Spike	496		mg/kg	496		1.0	YES	S4VEM
Beryllium	Spike	10.8		mg/kg	10.8		1.0	YES	S4VEM
Cadmium	Spike	10.4		mg/kg	10.4		1.0	YES	S4VEM
Chromium	Spike	155		mg/kg	155		1.0	YES	S4VEM
Cobalt	Spike	133		mg/kg	133		1.0	YES	S4VEM
Copper	Spike	99.5		mg/kg	99.5		1.0	YES	S4VEM
Lead	Spike	12.4		mg/kg	12.4		1.0	YES	S4VEM
Manganese	Spike	503		mg/kg	503		1.0	YES	S4VEM
Nickel	Spike	248		mg/kg	248		1.0	YES	S4VEM
Silver	Spike	9.3		mg/kg	9.3		1.0	YES	S4VEM
Zinc	Spike	197		mg/kg	197		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTW5S	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	8.5		mg/kg	8.5		1.0	YES	S4VEM
Arsenic	Spike	6.9		mg/kg	6.9		1.0	YES	S4VEM
Selenium	Spike	9.4		mg/kg	9.4		1.0	YES	S4VEM
Thallium	Spike	4.1		mg/kg	4.1		1.0	YES	S4VEM
Vanadium	Spike	96.3	J	mg/kg	96.3	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX4	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD01SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 35.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.24	U	mg/kg	0.11	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX4	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD01SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 35.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	25200		mg/kg	25200		1.0	YES	S4VEM
Barium	Target	124		mg/kg	124		1.0	YES	S4VEM
Beryllium	Target	0.74	JQ	mg/kg	0.74	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Calcium	Target	2780		mg/kg	2780		1.0	YES	S4VEM
Chromium	Target	75.0		mg/kg	75.0		1.0	YES	S4VEM
Cobalt	Target	13.7		mg/kg	13.7	*	1.0	YES	S4VEM
Copper	Target	46.1		mg/kg	46.1		1.0	YES	S4VEM
Iron	Target	32400		mg/kg	32400		1.0	YES	S4VEM
Lead	Target	12.7	J	mg/kg	12.7	*	1.0	YES	S4VEM
Magnesium	Target	11000		mg/kg	11000		1.0	YES	S4VEM
Manganese	Target	360		mg/kg	360		1.0	YES	S4VEM
Nickel	Target	84.9		mg/kg	84.9		1.0	YES	S4VEM
Potassium	Target	256	JQ	mg/kg	256	J	1.0	YES	S4VEM
Silver	Target	0.85	JQ	mg/kg	0.85	J	1.0	YES	S4VEM
Sodium	Target	1030	U	mg/kg	1030	U	1.0	YES	S4VEM
Zinc	Target	130		mg/kg	130		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX4	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD01SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 35.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	2.0	U	mg/kg	0.46	J	1.0	YES	S4VEM
Arsenic	Target	2.6		mg/kg	2.6	*	1.0	YES	S4VEM
Selenium	Target	4.9	U	mg/kg	4.9	U	1.0	YES	S4VEM
Thallium	Target	0.98	U	mg/kg	0.15	J	1.0	YES	S4VEM
Vanadium	Target	53.6	J	mg/kg	53.6	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD02SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:16:00
% Moisture:		% Solids: 27.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.19		mg/kg	0.19		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD02SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:16:00
% Moisture:		% Solids: 27.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	25400		mg/kg	25400		1.0	YES	S4VEM
Barium	Target	137		mg/kg	137		1.0	YES	S4VEM
Beryllium	Target	0.73		mg/kg	0.73		1.0	YES	S4VEM
Cadmium	Target	0.48	U	mg/kg	0.48	U	1.0	YES	S4VEM
Calcium	Target	2590		mg/kg	2590		1.0	YES	S4VEM
Chromium	Target	74.6		mg/kg	74.6		1.0	YES	S4VEM
Cobalt	Target	13.4		mg/kg	13.4	*	1.0	YES	S4VEM
Copper	Target	53.6		mg/kg	53.6		1.0	YES	S4VEM
Iron	Target	32400		mg/kg	32400		1.0	YES	S4VEM
Lead	Target	17.4	J	mg/kg	17.4	*	1.0	YES	S4VEM
Magnesium	Target	9140		mg/kg	9140		1.0	YES	S4VEM
Manganese	Target	331		mg/kg	331		1.0	YES	S4VEM
Nickel	Target	70.0		mg/kg	70.0		1.0	YES	S4VEM
Potassium	Target	510		mg/kg	510		1.0	YES	S4VEM
Silver	Target	0.86	JQ	mg/kg	0.86	J	1.0	YES	S4VEM
Sodium	Target	106	JQ	mg/kg	106	J	1.0	YES	S4VEM
Zinc	Target	135		mg/kg	135		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD02SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:16:00
% Moisture:		% Solids: 27.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.73	U	mg/kg	0.18	J	1.0	YES	S4VEM
Arsenic	Target	2.7		mg/kg	2.7	*	1.0	YES	S4VEM
Selenium	Target	1.8	U	mg/kg	1.8	U	1.0	YES	S4VEM
Thallium	Target	0.37	U	mg/kg	0.051	J	1.0	YES	S4VEM
Vanadium	Target	60.7	J	mg/kg	60.7	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: PD03SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:34:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.28	U	mg/kg	0.26	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: PD03SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:34:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	23200		mg/kg	23200		1.0	YES	S4VEM
Barium	Target	190		mg/kg	190		1.0	YES	S4VEM
Beryllium	Target	0.81	JQ	mg/kg	0.81	J	1.0	YES	S4VEM
Cadmium	Target	0.14	JQ	mg/kg	0.14	J	1.0	YES	S4VEM
Calcium	Target	7350		mg/kg	7350		1.0	YES	S4VEM
Chromium	Target	78.1		mg/kg	78.1		1.0	YES	S4VEM
Cobalt	Target	15.4		mg/kg	15.4	*	1.0	YES	S4VEM
Copper	Target	72.0		mg/kg	72.0		1.0	YES	S4VEM
Iron	Target	42200		mg/kg	42200		1.0	YES	S4VEM
Lead	Target	44.2	J	mg/kg	44.2	*	1.0	YES	S4VEM
Magnesium	Target	9030		mg/kg	9030		1.0	YES	S4VEM
Manganese	Target	660		mg/kg	660		1.0	YES	S4VEM
Nickel	Target	68.5		mg/kg	68.5		1.0	YES	S4VEM
Potassium	Target	491	JQ	mg/kg	491	J	1.0	YES	S4VEM
Silver	Target	1.2	JQ	mg/kg	1.2	J	1.0	YES	S4VEM
Sodium	Target	132	JQ	mg/kg	132	J	1.0	YES	S4VEM
Zinc	Target	277		mg/kg	277		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTX6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: PD03SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:34:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	2.3	U	mg/kg	2.0	J	1.0	YES	S4VEM
Arsenic	Target	3.3		mg/kg	3.3	*	1.0	YES	S4VEM
Selenium	Target	1.3	JQ	mg/kg	1.3	J	1.0	YES	S4VEM
Thallium	Target	1.1	U	mg/kg	0.068	J	1.0	YES	S4VEM
Vanadium	Target	56.3	J	mg/kg	56.3	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS756	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1.0	YES	S4VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Iron	Target	3.2	J	mg/kg	3.2	J	1.0	YES	S4VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Magnesium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1.0	YES	S4VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1.0	YES	S4VEM
Potassium	Target	500	U	mg/kg	-15	J	1.0	YES	S4VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Sodium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS766	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Arsenic	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Selenium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Thallium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Vanadium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTX4** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS790	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.0020	J	mg/kg	0.0020	J	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of two soil/sediment samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLTY5 MJLTY6

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 14, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLTY5

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of two soil samples, collected from the above referenced site, has been completed. These samples were analyzed for total metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	Holding Times met	N	Cool ≤ 6°C Metals 180 Days, Mercury 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85 – 115% Recovery
Interference Check Std.	80 - 114% or ± CRQL	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike[3]	**75 – 118% Out: Sb (59%); Se (72%)**	**Y**	**75 - 125%**
Lab Duplicate	≤ 3% or ± 2xCRQL	N	≤ 35% RPD or ± 2xCRQL
LCS (blank spike)	86 – 117%	N	70 - 130% Recovery Ag, Sb 50 – 150% Recovery
Serial Dilution[4]	≤ 8%	N	≤ 15% Difference

[1] Sample MJLTY6 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3] The Matrix Spike recovery was not determined for **Lead** as the indigenous concentration of this analyte in the sample exceeded the matrix spike concentration by > 4x.

[4] The ICP Serial Dilution evaluation was limited to the **Aluminum, Arsenic, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Vanadium** and **Zinc** data as the native concentrations of the remaining elements were too low for conducting a quantitative comparison of the 1:5 serial dilutions.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results < CRQLs (below the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs. **All samples were qualified U for Antimony, Potassium and Thallium.**

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.
Qualified Analytical Results: **Cadmium -** MJLTY6 **Selenium –** MJLTY5 **Sodium –** MJLTY6

3. Matrix Spike: The spike recoveries for **Antimony** (59%) and **Selenium** (72%) were outside the 75-125% criteria and post digestion spikes were within criteria. **Non-detected values for these analytes were qualified UJ.**

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLTY5	Soil	9/11/2020	9/19/2020	9/30/2020	9/30/2020	9/30/2020
MJLTY6	Soil	9/11/2020	9/19/2020	9/30/2020	9/30/2020	9/30/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS934	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	40.8		mg/kg	40.8		1.0	YES	S4VEM
Barium	Spike	43.6		mg/kg	43.6		1.0	YES	S4VEM
Beryllium	Spike	0.99		mg/kg	0.99		1.0	YES	S4VEM
Cadmium	Spike	1.0		mg/kg	1.0		1.0	YES	S4VEM
Calcium	Spike	1010		mg/kg	1010		1.0	YES	S4VEM
Chromium	Spike	2.1		mg/kg	2.1		1.0	YES	S4VEM
Cobalt	Spike	9.5		mg/kg	9.5		1.0	YES	S4VEM
Copper	Spike	4.5		mg/kg	4.5		1.0	YES	S4VEM
Iron	Spike	17.7		mg/kg	17.7		1.0	YES	S4VEM
Lead	Spike	1.9		mg/kg	1.9		1.0	YES	S4VEM
Magnesium	Spike	992		mg/kg	992		1.0	YES	S4VEM
Manganese	Spike	3.3		mg/kg	3.3		1.0	YES	S4VEM
Nickel	Spike	8.1		mg/kg	8.1		1.0	YES	S4VEM
Potassium	Spike	908		mg/kg	908		1.0	YES	S4VEM
Silver	Spike	2.0		mg/kg	2.0		1.0	YES	S4VEM
Sodium	Spike	969		mg/kg	969		1.0	YES	S4VEM
Zinc	Spike	14.0		mg/kg	14.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS935	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	1.8		mg/kg	1.8		1.0	YES	S4VEM
Arsenic	Spike	0.94		mg/kg	0.94		1.0	YES	S4VEM
Selenium	Spike	4.3		mg/kg	4.3		1.0	YES	S4VEM
Thallium	Spike	0.96		mg/kg	0.96		1.0	YES	S4VEM
Vanadium	Spike	4.6		mg/kg	4.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: OP01TP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:25:00
% Moisture:		% Solids: 72.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.17		mg/kg	0.17		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: OP01TP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:25:00
% Moisture:		% Solids: 72.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24100		mg/kg	24100		1.0	YES	S4VEM
Barium	Target	80.0		mg/kg	80.0		1.0	YES	S4VEM
Beryllium	Target	0.60		mg/kg	0.60		1.0	YES	S4VEM
Cadmium	Target	0.57		mg/kg	0.57		1.0	YES	S4VEM
Calcium	Target	2420		mg/kg	2420		1.0	YES	S4VEM
Chromium	Target	67.5		mg/kg	67.5		1.0	YES	S4VEM
Cobalt	Target	17.5		mg/kg	17.5		1.0	YES	S4VEM
Copper	Target	37.0		mg/kg	37.0		1.0	YES	S4VEM
Iron	Target	22800		mg/kg	22800		1.0	YES	S4VEM
Lead	Target	16.8		mg/kg	16.8		1.0	YES	S4VEM
Magnesium	Target	6780		mg/kg	6780		1.0	YES	S4VEM
Manganese	Target	267		mg/kg	267		1.0	YES	S4VEM
Nickel	Target	67.3		mg/kg	67.3		1.0	YES	S4VEM
Potassium	Target	492	U	mg/kg	440	J	1.0	YES	S4VEM
Silver	Target	0.98	U	mg/kg	0.98	U	1.0	YES	S4VEM
Sodium	Target	492	U	mg/kg	492	U	1.0	YES	S4VEM
Zinc	Target	92.1		mg/kg	92.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY5	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: OP01TP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:25:00
% Moisture:		% Solids: 72.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.96	UJ	mg/kg	0.15	J*	1.0	YES	S4VEM
Arsenic	Target	3.0		mg/kg	3.0		1.0	YES	S4VEM
Selenium	Target	0.69	JQ	mg/kg	0.69	J*	1.0	YES	S4VEM
Thallium	Target	0.48	U	mg/kg	0.10	J	1.0	YES	S4VEM
Vanadium	Target	62.9		mg/kg	62.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: OP01TP02	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15		mg/kg	0.15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: OP01TP02	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	31900		mg/kg	31900		1.0	YES	S4VEM
Barium	Target	73.0		mg/kg	73.0		1.0	YES	S4VEM
Beryllium	Target	0.66		mg/kg	0.66		1.0	YES	S4VEM
Cadmium	Target	0.32	JQ	mg/kg	0.32	J	1.0	YES	S4VEM
Calcium	Target	2030		mg/kg	2030		1.0	YES	S4VEM
Chromium	Target	86.3		mg/kg	86.3		1.0	YES	S4VEM
Cobalt	Target	11.4		mg/kg	11.4		1.0	YES	S4VEM
Copper	Target	43.2		mg/kg	43.2		1.0	YES	S4VEM
Iron	Target	26600		mg/kg	26600		1.0	YES	S4VEM
Lead	Target	24.5		mg/kg	24.5		1.0	YES	S4VEM
Magnesium	Target	7450		mg/kg	7450		1.0	YES	S4VEM
Manganese	Target	231		mg/kg	231		1.0	YES	S4VEM
Nickel	Target	82.4		mg/kg	82.4		1.0	YES	S4VEM
Potassium	Target	526	U	mg/kg	399	J	1.0	YES	S4VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1.0	YES	S4VEM
Sodium	Target	58.9	JQ	mg/kg	58.9	J	1.0	YES	S4VEM
Zinc	Target	113		mg/kg	113		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location: OP01TP02	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.99	UJ	mg/kg	0.14	J*	1.0	YES	S4VEM
Arsenic	Target	3.4		mg/kg	3.4		1.0	YES	S4VEM
Selenium	Target	2.5	UJ	mg/kg	2.5	U*	1.0	YES	S4VEM
Thallium	Target	0.49	U	mg/kg	0.094	J	1.0	YES	S4VEM
Vanadium	Target	78.8		mg/kg	78.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6A	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	2.6		mg/kg	2.6		1.0	YES	S4VEM
Selenium	Spike	5.7		mg/kg	5.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	31400		mg/kg	31400		1.0	YES	S4VEM
Barium	Target	72.4		mg/kg	72.4		1.0	YES	S4VEM
Beryllium	Target	0.64		mg/kg	0.64		1.0	YES	S4VEM
Cadmium	Target	0.30	J	mg/kg	0.30	J	1.0	YES	S4VEM
Calcium	Target	1990		mg/kg	1990		1.0	YES	S4VEM
Chromium	Target	84.7		mg/kg	84.7		1.0	YES	S4VEM
Cobalt	Target	11.1		mg/kg	11.1		1.0	YES	S4VEM
Copper	Target	42.1		mg/kg	42.1		1.0	YES	S4VEM
Iron	Target	26100		mg/kg	26100		1.0	YES	S4VEM
Lead	Target	24.4		mg/kg	24.4		1.0	YES	S4VEM
Magnesium	Target	7350		mg/kg	7350		1.0	YES	S4VEM
Manganese	Target	227		mg/kg	227		1.0	YES	S4VEM
Nickel	Target	80.8		mg/kg	80.8		1.0	YES	S4VEM
Potassium	Target	387	J	mg/kg	387	J	1.0	YES	S4VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Sodium	Target	32.7	J	mg/kg	32.7	J	1.0	YES	S4VEM
Zinc	Target	112		mg/kg	112		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6D	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.14	J	mg/kg	0.14	J	1.0	YES	S4VEM
Arsenic	Target	3.3		mg/kg	3.3		1.0	YES	S4VEM
Selenium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Thallium	Target	0.080	J	mg/kg	0.080	J	1.0	YES	S4VEM
Vanadium	Target	80.3		mg/kg	80.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	32400		mg/kg	32400		5.0	YES	S4VEM
Barium	Target	75.4	J	mg/kg	75.4	J	5.0	YES	S4VEM
Beryllium	Target	0.76	J	mg/kg	0.76	J	5.0	YES	S4VEM
Cadmium	Target	0.27	J	mg/kg	0.27	J	5.0	YES	S4VEM
Calcium	Target	2150	J	mg/kg	2150	J	5.0	YES	S4VEM
Chromium	Target	90.5		mg/kg	90.5		5.0	YES	S4VEM
Cobalt	Target	11.0	J	mg/kg	11.0	J	5.0	YES	S4VEM
Copper	Target	46.0		mg/kg	46.0		5.0	YES	S4VEM
Iron	Target	27800		mg/kg	27800		5.0	YES	S4VEM
Lead	Target	22.5		mg/kg	22.5		5.0	YES	S4VEM
Magnesium	Target	7790		mg/kg	7790		5.0	YES	S4VEM
Manganese	Target	246		mg/kg	246		5.0	YES	S4VEM
Nickel	Target	80.2		mg/kg	80.2		5.0	YES	S4VEM
Potassium	Target	409	J	mg/kg	409	J	5.0	YES	S4VEM
Silver	Target	5.5	U	mg/kg	5.5	U	5.0	YES	S4VEM
Sodium	Target	2630	U	mg/kg	2630	U	5.0	YES	S4VEM
Zinc	Target	122		mg/kg	122		5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6L	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	0.17	J	mg/kg	0.17	J	5.0	YES	S4VEM
Arsenic	Target	3.1		mg/kg	3.1		5.0	YES	S4VEM
Selenium	Target	12.5	U	mg/kg	12.5	U	5.0	YES	S4VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	5.0	YES	S4VEM
Vanadium	Target	77.5		mg/kg	77.5		5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.78		mg/kg	0.78		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Barium	Spike	470		mg/kg	470		1.0	YES	S4VEM
Beryllium	Spike	10.0		mg/kg	10.0		1.0	YES	S4VEM
Cadmium	Spike	10.1		mg/kg	10.1		1.0	YES	S4VEM
Chromium	Spike	125		mg/kg	125		1.0	YES	S4VEM
Cobalt	Spike	114		mg/kg	114		1.0	YES	S4VEM
Copper	Spike	84.7		mg/kg	84.7		1.0	YES	S4VEM
Lead	Spike	29.2		mg/kg	29.2		1.0	YES	S4VEM
Manganese	Spike	319		mg/kg	319		1.0	YES	S4VEM
Nickel	Spike	184		mg/kg	184		1.0	YES	S4VEM
Silver	Spike	7.8		mg/kg	7.8		1.0	YES	S4VEM
Zinc	Spike	237		mg/kg	237		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTY6S	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 09/11/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 71.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	6.1		mg/kg	6.1	*	1.0	YES	S4VEM
Arsenic	Spike	6.4		mg/kg	6.4		1.0	YES	S4VEM
Selenium	Spike	7.2		mg/kg	7.2	*	1.0	YES	S4VEM
Thallium	Spike	4.8		mg/kg	4.8		1.0	YES	S4VEM
Vanadium	Spike	127		mg/kg	127		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS001	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.0030	J	mg/kg	0.0030	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS934	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1.0	YES	S4VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Calcium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1.0	YES	S4VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Iron	Target	10.0	U	mg/kg	-3.8	J	1.0	YES	S4VEM
Lead	Target	1.0	U	mg/kg	-0.28	J	1.0	YES	S4VEM
Magnesium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1.0	YES	S4VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1.0	YES	S4VEM
Potassium	Target	500	U	mg/kg	500	U	1.0	YES	S4VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Sodium	Target	500	U	mg/kg	-51	J	1.0	YES	S4VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTY5** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBS935	Method: Metals by ICP-MS	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Target	1.0	U	mg/kg	1.0	U	1.0	YES	S4VEM
Arsenic	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Selenium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM
Thallium	Target	0.50	U	mg/kg	0.50	U	1.0	YES	S4VEM
Vanadium	Target	2.5	U	mg/kg	2.5	U	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 20 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLTZ8	MJLW00	MJLW02	MJLW06	MJLW08
MJLW10	MJLW12	MJLW14	MJLW16	MJLW18
MJLW20	MJLW24	MJLW28	MJLW30	MJLW32
MJLW34	MJLW36	MJLW38	MJLW44	MJLW53

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 15, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLTZ8

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of twenty water samples, collected from the above referenced site, has been completed. These samples were analyzed for dissolved metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	All within criteria	N	pH<2; Cool ≤ 6°C Metals 180 Days, Hg 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85-115% Recovery
Interference Check Std.	86 - 119%	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike	**89 – 124% Out: Ag (59%), Fe (131%)**	**Y**	**75 - 125%**
Lab Duplicate	≤ 1% or ± CRQL	N	≤ 20% RPD or ± CRQL
LCS (blank spike)	90 – 110%	N	70 - 130% Recovery
Serial Dilution[3]	6%	N	≤ 10% Difference

[1] Sample MJLW08 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3] The ICP Serial Dilution evaluation was limited to the **Manganese** as the native concentrations of the remaining elements were too low for conducting a quantitative comparison of the 1:5 serial dilutions.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results < CRQLs (below the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs.

Data Qualifications: Sample results are qualified U and the values elevated to the CRQLs.	
Qualified Analytical Results:	
Aluminum -	All samples
Copper -	MJLTZ8, MJLW02, MJLW24, MJLW44
Iron -	MJLTZ8, MJLW14
Lead –	MJLTZ8, MJLW00, MJLW02, MJLW06, MJLW08, MJLW10, MJLW12, MJLW16, MJLW30, MJLW44, MJLW53
Mercury –	MJLTZ8, MJLW00, MJLW02, MJLW06, MJLW08, MJLW10, MJLW12, MJLW14, MJLW16, MJLW18, MJLW20, MJLW24, MJLW28, MJLW30, MJLW32, MJLW34, MJLW36, MJLW44, MJLW53

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.	
Qualified Analytical Results:	
Arsenic -	MJLW06, MJLW44, MJLW53
Barium -	MJLW06, MJLW08, MJLW10, MJLW12, MJLW34
Beryllium -	MJLW38
Calcium –	MJLTZ8, MJLW00, MJLW02, MJLW14, MJLW18, MJLW20, MJLW34, MJLW36, MJLW44, MJLW53
Cobalt -	MJLW02, MJLW28, MJLW32, MJLW36
Magnesium –	MJLTZ8, MJLW00, MJLW02, MJLW06, MJLW10, MJLW12, MJLW14, MJLW16, MJLW18, MJLW20, MJLW24, MJLW28, MJLW30, MJLW32, MJLW34, MJLW36, MJLW44, MJLW53
Nickel -	MJLW02, MJLW08, MJLW18, MJLW32, MJLW36
Potassium -	MJLW38
Thallium –	MJLW38
Zinc –	MJLTZ8, MJLW00, MJLW02, MJLW06, MJLW08, MJLW12, MJLW16, MJLW18, MJLW30

3. Matrix Spike: The spike recoveries for **Iron** (131%) and **Silver** (59%) were outside the 75-125% criteria and post digestion spikes were within criteria. **All Silver values were non-detected and qualified UJ. Iron data detected above the CRQL were qualified J.**

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLTZ8	Water	9/9/2020	9/12/2020	9/23/2020	9/18/2020	9/30/2020
MJLW00	Water	9/14/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW02	Water	9/13/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW06	Water	9/9/2020	9/12/2020	9/23/2020	9/18/2020	9/30/2020
MJLW08	Water	9/10/2020	9/12/2020	9/23/2020	9/18/2020	9/30/2020
MJLW10	Water	9/10/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW12	Water	9/10/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW14	Water	9/13/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW16	Water	9/13/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW18	Water	9/14/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW20	Water	9/14/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW24	Water	9/11/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW28	Water	9/12/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW30	Water	9/11/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW32	Water	9/12/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW34	Water	9/12/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW36	Water	9/14/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW38	Water	9/13/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW44	Water	9/12/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020
MJLW53	Water	9/13/2020	9/17/2020	9/23/2020	9/18/2020	9/30/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS726	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Spike	1.9		ug/L	1.9		1.0	YES	S4VEM
Barium	Spike	20.0		ug/L	20.0		1.0	YES	S4VEM
Cadmium	Spike	2.0		ug/L	2.0		1.0	YES	S4VEM
Copper	Spike	4.2		ug/L	4.2		1.0	YES	S4VEM
Lead	Spike	1.8		ug/L	1.8		1.0	YES	S4VEM
Selenium	Spike	10.3		ug/L	10.3		1.0	YES	S4VEM
Silver	Spike	2.0		ug/L	2.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS799	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	438		ug/L	438		1.0	YES	S4VEM
Antimony	Spike	113		ug/L	113		1.0	YES	S4VEM
Beryllium	Spike	10.5		ug/L	10.5		1.0	YES	S4VEM
Calcium	Spike	9990		ug/L	9990		1.0	YES	S4VEM
Chromium	Spike	21.2		ug/L	21.2		1.0	YES	S4VEM
Cobalt	Spike	93.4		ug/L	93.4		1.0	YES	S4VEM
Iron	Spike	199		ug/L	199		1.0	YES	S4VEM
Magnesium	Spike	9580		ug/L	9580		1.0	YES	S4VEM
Manganese	Spike	31.7		ug/L	31.7		1.0	YES	S4VEM
Nickel	Spike	79.0		ug/L	79.0		1.0	YES	S4VEM
Potassium	Spike	9630		ug/L	9630		1.0	YES	S4VEM
Sodium	Spike	9910		ug/L	9910		1.0	YES	S4VEM
Thallium	Spike	46.0		ug/L	46.0		1.0	YES	S4VEM
Vanadium	Spike	110		ug/L	110		1.0	YES	S4VEM
Zinc	Spike	129		ug/L	129		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTZ8	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL01GW-D	pH: 1.3	Sample Date: 09/09/2020	Sample Time: 12:32:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.093	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTZ8	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL01GW-D	pH: 1.3	Sample Date: 09/09/2020	Sample Time: 12:32:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	68.2	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	2690	JQ	ug/L	2690	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	43.8	J*	1.0	YES	S4VEM
Magnesium	Target	2150	JQ	ug/L	2150	J	1.0	YES	S4VEM
Manganese	Target	40.9		ug/L	40.9		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7350		ug/L	7350		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	11.5	JQ	ug/L	11.5	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLTZ8	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL01GW-D	pH: 1.3	Sample Date: 09/09/2020	Sample Time: 12:32:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	14.6		ug/L	14.6		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.14	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.070	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW00	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: EW01GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 14:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.060	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW00	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: EW01GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 14:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	56.0	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	2820	JQ	ug/L	2820	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U*	1.0	YES	S4VEM
Magnesium	Target	2490	JQ	ug/L	2490	J	1.0	YES	S4VEM
Manganese	Target	45.8		ug/L	45.8		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7620		ug/L	7620		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	12.4	JQ	ug/L	12.4	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW00	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: EW01GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 14:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	15.1		ug/L	15.1		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	5.3		ug/L	5.3		1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.090	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW02	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: TP3GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 09:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.065	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW02	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: TP3GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 09:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	166	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	3610	JQ	ug/L	3610	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	2.8	JQ	ug/L	2.8	J	1.0	YES	S4VEM
Iron	Target	726	J	ug/L	726	*	1.0	YES	S4VEM
Magnesium	Target	3200	JQ	ug/L	3200	J	1.0	YES	S4VEM
Manganese	Target	65.7		ug/L	65.7		1.0	YES	S4VEM
Nickel	Target	8.8	JQ	ug/L	8.8	J	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8670		ug/L	8670		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	58.4	JQ	ug/L	58.4	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW02	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: TP3GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 09:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	32.9		ug/L	32.9		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.34	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.15	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW06	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL05GW-D	pH: 1.3	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.063	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW06	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL05GW-D	pH: 1.3	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	41.3	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	7180		ug/L	7180		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	1960	J	ug/L	1960	*	1.0	YES	S4VEM
Magnesium	Target	4210	JQ	ug/L	4210	J	1.0	YES	S4VEM
Manganese	Target	529		ug/L	529		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	6770		ug/L	6770		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	7.9	JQ	ug/L	7.9	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW06	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL05GW-D	pH: 1.3	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.090	JQ	ug/L	0.090	J	1.0	YES	S4VEM
Barium	Target	7.9	JQ	ug/L	7.9	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.090	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL06GW-D	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.061	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL06GW-D	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	40.3	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	6390		ug/L	6390		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U*	1.0	YES	S4VEM
Magnesium	Target	5430		ug/L	5430		1.0	YES	S4VEM
Manganese	Target	669		ug/L	669		1.0	YES	S4VEM
Nickel	Target	3.8	JQ	ug/L	3.8	J	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8370		ug/L	8370		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	20.2	JQ	ug/L	20.2	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL06GW-D	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	8.6	JQ	ug/L	8.6	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.060	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08A	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Iron	Spike	191		ug/L	191		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08A	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Silver	Spike	1.8		ug/L	1.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08D	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.066	J	ug/L	0.066	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08D	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	43.9	J	ug/L	43.9	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	6400		ug/L	6400		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5420		ug/L	5420		1.0	YES	S4VEM
Manganese	Target	671		ug/L	671		1.0	YES	S4VEM
Nickel	Target	3.5	J	ug/L	3.5	J	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8080		ug/L	8080		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	21.9	J	ug/L	21.9	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08D	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	9.0	J	ug/L	9.0	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	0.090	J	ug/L	0.090	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08L	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	75.6	J	ug/L	75.6	J	5.0	YES	S4VEM
Antimony	Target	300	U	ug/L	300	U	5.0	YES	S4VEM
Beryllium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S4VEM
Calcium	Target	6000	J	ug/L	6000	J	5.0	YES	S4VEM
Chromium	Target	50.0	U	ug/L	50.0	U	5.0	YES	S4VEM
Cobalt	Target	250	U	ug/L	250	U	5.0	YES	S4VEM
Iron	Target	500	U	ug/L	500	U	5.0	YES	S4VEM
Magnesium	Target	5090	J	ug/L	5090	J	5.0	YES	S4VEM
Manganese	Target	627		ug/L	627		5.0	YES	S4VEM
Nickel	Target	200	U	ug/L	200	U	5.0	YES	S4VEM
Potassium	Target	25000	U	ug/L	25000	U	5.0	YES	S4VEM
Sodium	Target	4180	J	ug/L	4180	J	5.0	YES	S4VEM
Thallium	Target	125	U	ug/L	125	U	5.0	YES	S4VEM
Vanadium	Target	250	U	ug/L	250	U	5.0	YES	S4VEM
Zinc	Target	300	U	ug/L	300	U	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08L	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Barium	Target	8.5	J	ug/L	8.5	J	5.0	YES	S4VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Copper	Target	10.0	U	ug/L	10.0	U	5.0	YES	S4VEM
Lead	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Selenium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S4VEM
Silver	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08S	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	1.1		ug/L	1.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08S	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	2310		ug/L	2310		1.0	YES	S4VEM
Antimony	Spike	100		ug/L	100		1.0	YES	S4VEM
Beryllium	Spike	62.0		ug/L	62.0		1.0	YES	S4VEM
Chromium	Spike	225		ug/L	225		1.0	YES	S4VEM
Cobalt	Spike	534		ug/L	534		1.0	YES	S4VEM
Iron	Spike	1310		ug/L	1310	*	1.0	YES	S4VEM
Manganese	Spike	1220		ug/L	1220		1.0	YES	S4VEM
Nickel	Spike	555		ug/L	555		1.0	YES	S4VEM
Thallium	Spike	44.6		ug/L	44.6		1.0	YES	S4VEM
Vanadium	Spike	606		ug/L	606		1.0	YES	S4VEM
Zinc	Spike	606		ug/L	606		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW08S	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Spike	41.7		ug/L	41.7		1.0	YES	S4VEM
Barium	Spike	2090		ug/L	2090		1.0	YES	S4VEM
Cadmium	Spike	52.3		ug/L	52.3		1.0	YES	S4VEM
Copper	Spike	268		ug/L	268		1.0	YES	S4VEM
Lead	Spike	19.1		ug/L	19.1		1.0	YES	S4VEM
Selenium	Spike	110		ug/L	110		1.0	YES	S4VEM
Silver	Spike	29.7		ug/L	29.7	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW10	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL07GW-D	pH: 1.9	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.064	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW10	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL07GW-D	pH: 1.9	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	33.3	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	6280		ug/L	6280		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	228	J	ug/L	228	*	1.0	YES	S4VEM
Magnesium	Target	4000	JQ	ug/L	4000	J	1.0	YES	S4VEM
Manganese	Target	546		ug/L	546		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	6910		ug/L	6910		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW10	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL07GW-D	pH: 1.9	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	8.0	JQ	ug/L	8.0	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.070	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW12	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL10GW-D	pH: 1.9	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.058	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW12	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL10GW-D	pH: 1.9	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	34.0	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	9280		ug/L	9280		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U*	1.0	YES	S4VEM
Magnesium	Target	3340	JQ	ug/L	3340	J	1.0	YES	S4VEM
Manganese	Target	29.0		ug/L	29.0		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	6500		ug/L	6500		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	18.9	JQ	ug/L	18.9	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW12	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL10GW-D	pH: 1.9	Sample Date: 09/10/2020	Sample Time: 14:21:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	8.9	JQ	ug/L	8.9	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	9.1		ug/L	9.1		1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.26	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW14	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: TP11GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 11:06:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.066	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW14	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: TP11GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 11:06:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	40.2	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	2210	JQ	ug/L	2210	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	62.9	J*	1.0	YES	S4VEM
Magnesium	Target	1580	JQ	ug/L	1580	J	1.0	YES	S4VEM
Manganese	Target	25.9		ug/L	25.9		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8150		ug/L	8150		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW14	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: TP11GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 11:06:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	20.4		ug/L	20.4		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW16	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: TP12GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 14:22:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.070	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW16	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: TP12GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 14:22:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	25.6	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	6010		ug/L	6010		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	4460	J	ug/L	4460	*	1.0	YES	S4VEM
Magnesium	Target	4760	JQ	ug/L	4760	J	1.0	YES	S4VEM
Manganese	Target	104		ug/L	104		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	12600		ug/L	12600		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	9.7	JQ	ug/L	9.7	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW16	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: TP12GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 14:22:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.6		ug/L	1.6		1.0	YES	S4VEM
Barium	Target	43.9		ug/L	43.9		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.070	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW18	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: TP13GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 12:24:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.061	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW18	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: TP13GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 12:24:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	29.3	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	3370	JQ	ug/L	3370	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	223	J	ug/L	223	*	1.0	YES	S4VEM
Magnesium	Target	2680	JQ	ug/L	2680	J	1.0	YES	S4VEM
Manganese	Target	112		ug/L	112		1.0	YES	S4VEM
Nickel	Target	4.5	JQ	ug/L	4.5	J	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	9300		ug/L	9300		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	10.5	JQ	ug/L	10.5	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW18	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: TP13GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 12:24:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	12.2		ug/L	12.2		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW20	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: EW02GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 15:35:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.061	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW20	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: EW02GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 15:35:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	47.0	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	3990	JQ	ug/L	3990	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U*	1.0	YES	S4VEM
Magnesium	Target	3730	JQ	ug/L	3730	J	1.0	YES	S4VEM
Manganese	Target	42.3		ug/L	42.3		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	9360		ug/L	9360		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	79.9		ug/L	79.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW20	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: EW02GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 15:35:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	11.4		ug/L	11.4		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW24	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL15GW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.066	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW24	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL15GW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	31.0	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	12400		ug/L	12400		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U*	1.0	YES	S4VEM
Magnesium	Target	3110	JQ	ug/L	3110	J	1.0	YES	S4VEM
Manganese	Target	58.8		ug/L	58.8		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8240		ug/L	8240		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW24	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL15GW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	12.7		ug/L	12.7		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.19	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW28	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL18GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.080	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW28	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL18GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	29.4	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5260		ug/L	5260		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	12.3	JQ	ug/L	12.3	J	1.0	YES	S4VEM
Iron	Target	13700	J	ug/L	13700	*	1.0	YES	S4VEM
Magnesium	Target	3210	JQ	ug/L	3210	J	1.0	YES	S4VEM
Manganese	Target	1510		ug/L	1510		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8230		ug/L	8230		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW28	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL18GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.8		ug/L	1.8		1.0	YES	S4VEM
Barium	Target	14.9		ug/L	14.9		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW30	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL20GW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.088	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW30	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL20GW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	89.1	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	6640		ug/L	6640		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	10900	J	ug/L	10900	*	1.0	YES	S4VEM
Magnesium	Target	2780	JQ	ug/L	2780	J	1.0	YES	S4VEM
Manganese	Target	640		ug/L	640		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8810		ug/L	8810		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	8.2	JQ	ug/L	8.2	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW30	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL20GW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	2.0		ug/L	2.0		1.0	YES	S4VEM
Barium	Target	12.6		ug/L	12.6		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.070	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW32	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL21GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.11	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW32	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL21GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	90.9	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5030		ug/L	5030		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	14.7	JQ	ug/L	14.7	J	1.0	YES	S4VEM
Iron	Target	14400	J	ug/L	14400	*	1.0	YES	S4VEM
Magnesium	Target	2980	JQ	ug/L	2980	J	1.0	YES	S4VEM
Manganese	Target	3010		ug/L	3010		1.0	YES	S4VEM
Nickel	Target	3.9	JQ	ug/L	3.9	J	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	9360		ug/L	9360		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW32	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL21GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	2.6		ug/L	2.6		1.0	YES	S4VEM
Barium	Target	17.4		ug/L	17.4		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW34	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SL22GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.11	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW34	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SL22GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	18.6	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1890	JQ	ug/L	1890	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	19400	J	ug/L	19400	*	1.0	YES	S4VEM
Magnesium	Target	1610	JQ	ug/L	1610	J	1.0	YES	S4VEM
Manganese	Target	463		ug/L	463		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7730		ug/L	7730		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW34	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: SL22GW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	3.2		ug/L	3.2		1.0	YES	S4VEM
Barium	Target	6.5	JQ	ug/L	6.5	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW36	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: TP23GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 10:35:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.074	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW36	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: TP23GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 10:35:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	22.0	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	3000	JQ	ug/L	3000	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	17.1	JQ	ug/L	17.1	J	1.0	YES	S4VEM
Iron	Target	10600	J	ug/L	10600	*	1.0	YES	S4VEM
Magnesium	Target	3160	JQ	ug/L	3160	J	1.0	YES	S4VEM
Manganese	Target	609		ug/L	609		1.0	YES	S4VEM
Nickel	Target	3.5	JQ	ug/L	3.5	J	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8150		ug/L	8150		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW36	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: TP23GW-D	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 10:35:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	2.1		ug/L	2.1		1.0	YES	S4VEM
Barium	Target	15.6		ug/L	15.6		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW38	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: TP25GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 16:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.22		ug/L	0.22		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW38	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: TP25GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 16:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	49.1	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	1.5	JQ	ug/L	1.5	J	1.0	YES	S4VEM
Calcium	Target	9150		ug/L	9150		1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	160000	J	ug/L	160000	*	1.0	YES	S4VEM
Magnesium	Target	6630		ug/L	6630		1.0	YES	S4VEM
Manganese	Target	2680		ug/L	2680		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	1180	JQ	ug/L	1180	J	1.0	YES	S4VEM
Sodium	Target	12100		ug/L	12100		1.0	YES	S4VEM
Thallium	Target	21.0	JQ	ug/L	21.0	J	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW38	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: TP25GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 16:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	5.6		ug/L	5.6		1.0	YES	S4VEM
Barium	Target	360		ug/L	360		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW44	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD06SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.10	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW44	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD06SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	61.4	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1470	JQ	ug/L	1470	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U*	1.0	YES	S4VEM
Magnesium	Target	1530	JQ	ug/L	1530	J	1.0	YES	S4VEM
Manganese	Target	23.3		ug/L	23.3		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8190		ug/L	8190		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW44	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD06SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.11	JQ	ug/L	0.11	J	1.0	YES	S4VEM
Barium	Target	13.9		ug/L	13.9		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.43	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.050	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW53	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: OP01GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 12:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.043	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW53	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: OP01GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 12:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	28.5	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	2210	JQ	ug/L	2210	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	1630	J	ug/L	1630	*	1.0	YES	S4VEM
Magnesium	Target	1960	JQ	ug/L	1960	J	1.0	YES	S4VEM
Manganese	Target	59.8		ug/L	59.8		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7830		ug/L	7830		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW53	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: OP01GW-D	pH: 1.9	Sample Date: 09/13/2020	Sample Time: 12:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.20	JQ	ug/L	0.20	J	1.0	YES	S4VEM
Barium	Target	10.5		ug/L	10.5		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.090	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	UJ	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW726	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S4VEM
Lead	Target	0.10	J	ug/L	0.10	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW799	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	25.9	J	ug/L	25.9	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	46.8	J	ug/L	46.8	J	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	-130	J	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	-370	J	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLTZ8** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW997	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.029	J	ug/L	0.029	J	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of nine water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLW39	MJLW41	MJLW43	MJLW45	MJLW47
MJLW48	MJLW49	MJLW50	MJLW51	

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
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LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 15, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLW39

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of nine water samples, collected from the above referenced site, has been completed. These samples were analyzed for total metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	All within criteria	N	pH<2; Cool ≤ 6°C Metals 180 Days, Hg 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85-115% Recovery
Interference Check Std.	80 - 119% or ± CRQL	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike	**91 – 117% Out: Ag (134%), Zn (127%)**	**Y**	**75 - 125%**
Lab Duplicate	± CRQL	N	≤ 20% RPD or ± CRQL
LCS (blank spike)	85 – 112%	N	70 - 130% Recovery
Serial Dilution[3]	NA	N	≤ 10% Difference

[1] Sample MJLW51 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3] The ICP Serial Dilution evaluation was not applicable as the analyte concentrations were too low for conducting a quantitative comparison of a 1:5 serial dilution.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results < CRQLs (below the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs.

Data Qualifications: Sample results are qualified U and the values elevated to the CRQLs.	
Qualified Analytical Results:	
Copper -	MJLW39, MJLW41, MJLW43, MJLW45, MJLW48, MJLW49, MJLW50, MJLW51
Lead -	MJLW39, MJLW41, MJLW43, MJLW45, MJLW48, MJLW49, MJLW50, MJLW51
Manganese -	MJLW48
Mercury –	MJLW39, MJLW41, MJLW43, MJLW45, MJLW48, MJLW49, MJLW50, MJLW51

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.	
Qualified Analytical Results:	
Aluminum -	MJLW41, MJLW43, MJLW45, MJLW48, MJLW50, MJLW51
Arsenic -	MJLW39, MJLW41, MJLW43, MJLW45, MJLW48
Barium -	MJLW48
Beryllium –	MJLW47
Cadmium -	MJLW47
Calcium –	MJLW39, MJLW41, MJLW43, MJLW45, MJLW48
Cobalt -	MJLW47, MJLW49
Magnesium -	MJLW39, MJLW41, MJLW43, MJLW45
Selenium –	MJLW47
Silver -	MJLW47
Thallium –	MJLW47

3. Matrix Spike: The spike recoveries for **Silver** (134%) and **Zinc** (127%) were outside the 75-125% criteria and post digestion spikes were within criteria. **All Silver values were not detected or below the CRQL and were not qualified. The Zinc value for sample MJLW47 was detected above the CRQL and qualified J. All remaining Zinc values were not detected and not qualified.**

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLW39	Water	9/11/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW41	Water	9/12/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW43	Water	9/12/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW45	Water	9/12/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW47	Water	9/15/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW48	Water	9/14/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW49	Water	9/14/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW50	Water	9/14/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020
MJLW51	Water	9/14/2020	9/17/2020	9/30/2020	9/25/2020	9/30/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS910	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Spike	1.9		ug/L	1.9		1.0	YES	S4VEM
Barium	Spike	17.5		ug/L	17.5		1.0	YES	S4VEM
Cadmium	Spike	2.0		ug/L	2.0		1.0	YES	S4VEM
Copper	Spike	4.2		ug/L	4.2		1.0	YES	S4VEM
Lead	Spike	1.7		ug/L	1.7		1.0	YES	S4VEM
Selenium	Spike	8.5		ug/L	8.5		1.0	YES	S4VEM
Silver	Spike	1.8		ug/L	1.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS942	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	414		ug/L	414		1.0	YES	S4VEM
Antimony	Spike	115		ug/L	115		1.0	YES	S4VEM
Beryllium	Spike	10.1		ug/L	10.1		1.0	YES	S4VEM
Calcium	Spike	10000		ug/L	10000		1.0	YES	S4VEM
Chromium	Spike	21.2		ug/L	21.2		1.0	YES	S4VEM
Cobalt	Spike	94.8		ug/L	94.8		1.0	YES	S4VEM
Iron	Spike	207		ug/L	207		1.0	YES	S4VEM
Magnesium	Spike	9910		ug/L	9910		1.0	YES	S4VEM
Manganese	Spike	32.9		ug/L	32.9		1.0	YES	S4VEM
Nickel	Spike	80.9		ug/L	80.9		1.0	YES	S4VEM
Potassium	Spike	9180		ug/L	9180		1.0	YES	S4VEM
Sodium	Spike	9760		ug/L	9760		1.0	YES	S4VEM
Thallium	Spike	46.6		ug/L	46.6		1.0	YES	S4VEM
Vanadium	Spike	102		ug/L	102		1.0	YES	S4VEM
Zinc	Spike	134		ug/L	134		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW39	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD01SW	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.087	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW39	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD01SW	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	343		ug/L	343		1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1650	JQ	ug/L	1650	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	1780		ug/L	1780		1.0	YES	S4VEM
Magnesium	Target	1640	JQ	ug/L	1640	J	1.0	YES	S4VEM
Manganese	Target	51.2		ug/L	51.2		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8170		ug/L	8170		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW39	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD01SW	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.52	JQ	ug/L	0.52	J	1.0	YES	S4VEM
Barium	Target	12.7		ug/L	12.7		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	1.6	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.37	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW41	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD05SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.067	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW41	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD05SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	179	JQ	ug/L	179	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1530	JQ	ug/L	1530	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	628		ug/L	628		1.0	YES	S4VEM
Magnesium	Target	1630	JQ	ug/L	1630	J	1.0	YES	S4VEM
Manganese	Target	23.6		ug/L	23.6		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7850		ug/L	7850		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW41	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD05SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.25	JQ	ug/L	0.25	J	1.0	YES	S4VEM
Barium	Target	14.7		ug/L	14.7		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.90	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.20	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW43	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD06SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.083	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW43	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD06SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	196	JQ	ug/L	196	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1510	JQ	ug/L	1510	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	605		ug/L	605		1.0	YES	S4VEM
Magnesium	Target	1600	JQ	ug/L	1600	J	1.0	YES	S4VEM
Manganese	Target	39.1		ug/L	39.1		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7910		ug/L	7910		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW43	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD06SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.18	JQ	ug/L	0.18	J	1.0	YES	S4VEM
Barium	Target	14.8		ug/L	14.8		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.89	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.21	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW45	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD09SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:24:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.086	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW45	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD09SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:24:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	107	JQ	ug/L	107	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1470	JQ	ug/L	1470	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	318		ug/L	318		1.0	YES	S4VEM
Magnesium	Target	1590	JQ	ug/L	1590	J	1.0	YES	S4VEM
Manganese	Target	16.7		ug/L	16.7		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7850		ug/L	7850		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW45	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD09SW	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:24:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.14	JQ	ug/L	0.14	J	1.0	YES	S4VEM
Barium	Target	12.6		ug/L	12.6		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.64	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.26	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW47	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: ID01WT	pH: 1.9	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.42		ug/L	0.42		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW47	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: ID01WT	pH: 1.9	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	27800		ug/L	27800		1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	2.9	JQ	ug/L	2.9	J	1.0	YES	S4VEM
Calcium	Target	20800		ug/L	20800		1.0	YES	S4VEM
Chromium	Target	101		ug/L	101		1.0	YES	S4VEM
Cobalt	Target	13.6	JQ	ug/L	13.6	J	1.0	YES	S4VEM
Iron	Target	46900		ug/L	46900		1.0	YES	S4VEM
Magnesium	Target	9480		ug/L	9480		1.0	YES	S4VEM
Manganese	Target	872		ug/L	872		1.0	YES	S4VEM
Nickel	Target	94.0		ug/L	94.0		1.0	YES	S4VEM
Potassium	Target	7520		ug/L	7520		1.0	YES	S4VEM
Sodium	Target	73200		ug/L	73200		1.0	YES	S4VEM
Thallium	Target	7.7	JQ	ug/L	7.7	J	1.0	YES	S4VEM
Vanadium	Target	84.3		ug/L	84.3		1.0	YES	S4VEM
Zinc	Target	545	J	ug/L	545	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW47	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: ID01WT	pH: 1.9	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	11.1		ug/L	11.1		1.0	YES	S4VEM
Barium	Target	160		ug/L	160		1.0	YES	S4VEM
Cadmium	Target	0.74	JQ	ug/L	0.74	J	1.0	YES	S4VEM
Copper	Target	69.9		ug/L	69.9		1.0	YES	S4VEM
Lead	Target	25.1		ug/L	25.1		1.0	YES	S4VEM
Selenium	Target	1.8	JQ	ug/L	1.8	J	1.0	YES	S4VEM
Silver	Target	0.16	JQ	ug/L	0.16	J*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW48	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: RI01WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.076	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW48	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: RI01WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	118	JQ	ug/L	118	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1390	JQ	ug/L	1390	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	110		ug/L	110		1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	4.0	J	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW48	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: RI01WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.090	JQ	ug/L	0.090	J	1.0	YES	S4VEM
Barium	Target	1.6	JQ	ug/L	1.6	J	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.49	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.34	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW49	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: RI02WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.061	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW49	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: RI02WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	200	U	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	3.7	JQ	ug/L	3.7	J	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW49	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: RI02WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.25	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.080	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW50	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: RI03WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.062	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW50	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: RI03WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	31.8	JQ	ug/L	31.8	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW50	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: RI03WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.27	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.15	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: RI04WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.063	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: RI04WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	15.7	JQ	ug/L	15.7	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: RI04WT	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.22	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.14	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51A	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Zinc	Spike	145		ug/L	145		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51A	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Silver	Spike	1.6		ug/L	1.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51D	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.069	J	ug/L	0.069	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51D	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	200	U	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51D	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	0.23	J	ug/L	0.23	J	1.0	YES	S4VEM
Lead	Target	0.15	J	ug/L	0.15	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51L	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	U	5.0	YES	S4VEM
Antimony	Target	300	U	ug/L	300	U	5.0	YES	S4VEM
Beryllium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S4VEM
Calcium	Target	25000	U	ug/L	25000	U	5.0	YES	S4VEM
Chromium	Target	50.0	U	ug/L	50.0	U	5.0	YES	S4VEM
Cobalt	Target	250	U	ug/L	250	U	5.0	YES	S4VEM
Iron	Target	500	U	ug/L	500	U	5.0	YES	S4VEM
Magnesium	Target	25000	U	ug/L	25000	U	5.0	YES	S4VEM
Manganese	Target	75.0	U	ug/L	75.0	U	5.0	YES	S4VEM
Nickel	Target	200	U	ug/L	200	U	5.0	YES	S4VEM
Potassium	Target	25000	U	ug/L	25000	U	5.0	YES	S4VEM
Sodium	Target	25000	U	ug/L	25000	U	5.0	YES	S4VEM
Thallium	Target	125	U	ug/L	125	U	5.0	YES	S4VEM
Vanadium	Target	250	U	ug/L	250	U	5.0	YES	S4VEM
Zinc	Target	300	U	ug/L	300	U	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51L	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Barium	Target	50.0	U	ug/L	50.0	U	5.0	YES	S4VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Copper	Target	10.0	U	ug/L	10.0	U	5.0	YES	S4VEM
Lead	Target	0.50	J	ug/L	0.50	J	5.0	YES	S4VEM
Selenium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S4VEM
Silver	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51S	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	1.1		ug/L	1.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51S	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	2170		ug/L	2170		1.0	YES	S4VEM
Antimony	Spike	101		ug/L	101		1.0	YES	S4VEM
Beryllium	Spike	57.4		ug/L	57.4		1.0	YES	S4VEM
Chromium	Spike	234		ug/L	234		1.0	YES	S4VEM
Cobalt	Spike	564		ug/L	564		1.0	YES	S4VEM
Iron	Spike	1150		ug/L	1150		1.0	YES	S4VEM
Manganese	Spike	565		ug/L	565		1.0	YES	S4VEM
Nickel	Spike	581		ug/L	581		1.0	YES	S4VEM
Thallium	Spike	49.8		ug/L	49.8		1.0	YES	S4VEM
Vanadium	Spike	564		ug/L	564		1.0	YES	S4VEM
Zinc	Spike	637		ug/L	637	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW51S	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/14/2020	Sample Time: 17:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Spike	43.6		ug/L	43.6		1.0	YES	S4VEM
Barium	Spike	2000		ug/L	2000		1.0	YES	S4VEM
Cadmium	Spike	48.5		ug/L	48.5		1.0	YES	S4VEM
Copper	Spike	284		ug/L	284		1.0	YES	S4VEM
Lead	Spike	18.3		ug/L	18.3		1.0	YES	S4VEM
Selenium	Spike	101		ug/L	101		1.0	YES	S4VEM
Silver	Spike	66.8		ug/L	66.8	*	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW910	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	0.29	JQ	ug/L	0.29	J	1.0	YES	S4VEM
Lead	Target	0.15	JQ	ug/L	0.15	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW942	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	200	U	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW39** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW999	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.011	JQ	ug/L	0.011	J	1.0	YES	S4VEM

MEMORANDUM

DATE: October 23, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Inorganic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 3 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Metals at the Chemtech Consulting Group, Mountainside, New Jersey, following EPA CLP SOW ISM02.4. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM).

The samples were numbered:

MJLW40 MJLW42 MJLW46

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
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LABORATORY SERVICES &
APPLIED SCIENCE
DIVISION

October 19, 2020

MEMORANDUM

SUBJECT: Data Review of Metals Analysis for the Former Western States Plywood Cooperative Mill Site Targeted Brownfields Assessment - Case 49090, SDG: MJLW40

FROM: Don Matheny, Chemist
LSASD, Environmental Characterization Branch

TO: Brandon Perkins, Project Manager
SEMD, Emergency Management Branch

CC: Derek Pulvino, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of three water samples, collected from the above referenced site, has been completed. These samples were analyzed for dissolved metals by the Chemtech Consulting Group located in Mountainside, NJ.

Sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic Process (S4VEM). The validation was conducted according to the Quality Control Specifications outlined in:

- *SQAP for the Former Western States Plywood Cooperative Mill Site Townsite Targeted Brownfields Assessment*, *Port Orford, OR*, Ecology & Environment, Inc., (July 2020)
- USEPA CLP Statement of Work for Inorganic Superfund Methods (ISM02.4)
- National Functional Guidelines for Inorganic Superfund Data Review (EPA-540-R-2017-001)
- Guidance for Labeling Externally Validated Laboratory Analytical Data (EPA-540-R08-005)

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this validation report and the pertinent dates for sample collection, laboratory sample receipt and analyses is attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The table below summarizes the major sample quality control (QC) tests, associated test results, criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP specific and different from the National Functional Guidelines. Certain QC tests are electronically evaluated the results of which are not summarized in the table below though any excursions of these tests will appear in the *Data Qualifications* section. In addition to the QC tests, calculations from minimally 10% of the samples are verified against the raw data.

QC Results Summary

Quality Control Test[1]	Result Ranges	Outliers[2] (Y or N)	Evaluation Criteria
Preservation / Holding Times	All within criteria	N	pH<2; Cool ≤ 6°C Metals 180 Days, Hg 28 days
MS Tune	Tune criteria met	N	≤ 0.1 amu; ≤ 5% RSD
Instrument Calibration	Calibration criteria met	N	± 30% Difference; Corr. Coeff. ≥ 0.995
Calibration Verification	All checks passed	N	Metals 90 – 110% Recovery Mercury 85-115% Recovery
Interference Check Std.	82 - 119% or ± CRQL	N	80 – 120% Recovery or ± CRQL
Blanks	**Detects Reported**	**Y**	**Not Detected or <10% of Sample**
Matrix Spike	82 – 111%	N	75 - 125%
Lab Duplicate	± CRQL	N	≤ 20% RPD or ± CRQL
LCS (blank spike)	85 – 111%	N	70 - 130% Recovery
Serial Dilution[3]	NA	N	≤ 10% Difference

[1] Sample MJLW46 was used for the matrix spike, duplicate and serial dilution QC analysis.

[2] See the "*Data Qualifications*" section below for QC excursions and qualification of affected data.

[3]The ICP Serial Dilution evaluation was not applicable as the analyte concentrations were too low for conducting a quantitative comparison of a 1:5 serial dilution.

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied

After the manual and electronic data review, the following data qualifications were applied:

1. **Blanks**: The following analytes have positively detected sample results < CRQLs (below the range of quantitation) and the associated laboratory blanks were also detected at concentrations < CRQLs.

Data Qualifications: Sample results are qualified U and the values elevated to the CRQLs.	
Qualified Analytical Results:	
Aluminum -	All samples
Copper -	All samples
Iron -	MJLW46
Lead -	All samples
Manganese -	MJLW46
Mercury –	All samples

2. **Detection / Quantitation Limits:** The following analytes have positively detected results < CRQLs (below the range of quantitation) and the associated laboratory blanks were not detected.

Data Qualifications: Sample results are qualified JQ with no indication of bias.	
Qualified Analytical Results:	
Arsenic -	MJLW40, MJLW42
Calcium –	All samples
Magnesium -	All samples

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s).

U	The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.
R	The data are rejected and unusable. The analyte may or may not be present in the sample.
Q	Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

III. SAMPLE INDEX

The sample listing dates of sample collection, laboratory receipt and analysis are provided below.

Sample ID	Matrix	Sample Date	Date Rec'd	ICP-AES Analysis	ICP-MS Analysis	Mercury Analysis
MJLW40	Water	9/11/2020	9/17/2020	10/5/2020	9/24/2020	9/30/2020
MJLW42	Water	9/12/2020	9/17/2020	10/5/2020	9/24/2020	9/30/2020
MJLW46	Water	9/12/2020	9/17/2020	10/5/2020	9/24/2020	9/30/2020

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS871	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Spike	1.9		ug/L	1.9		1.0	YES	S4VEM
Barium	Spike	18.5		ug/L	18.5		1.0	YES	S4VEM
Cadmium	Spike	2.2		ug/L	2.2		1.0	YES	S4VEM
Copper	Spike	4.4		ug/L	4.4		1.0	YES	S4VEM
Lead	Spike	1.7		ug/L	1.7		1.0	YES	S4VEM
Selenium	Spike	9.9		ug/L	9.9		1.0	YES	S4VEM
Silver	Spike	1.9		ug/L	1.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS943	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	426		ug/L	426		1.0	YES	S4VEM
Antimony	Spike	118		ug/L	118		1.0	YES	S4VEM
Beryllium	Spike	10.1		ug/L	10.1		1.0	YES	S4VEM
Calcium	Spike	10300		ug/L	10300		1.0	YES	S4VEM
Chromium	Spike	21.3		ug/L	21.3		1.0	YES	S4VEM
Cobalt	Spike	101		ug/L	101		1.0	YES	S4VEM
Iron	Spike	221		ug/L	221		1.0	YES	S4VEM
Magnesium	Spike	10000		ug/L	10000		1.0	YES	S4VEM
Manganese	Spike	32.8		ug/L	32.8		1.0	YES	S4VEM
Nickel	Spike	85.9		ug/L	85.9		1.0	YES	S4VEM
Potassium	Spike	9370		ug/L	9370		1.0	YES	S4VEM
Sodium	Spike	10000		ug/L	10000		1.0	YES	S4VEM
Thallium	Spike	48.0		ug/L	48.0		1.0	YES	S4VEM
Vanadium	Spike	102		ug/L	102		1.0	YES	S4VEM
Zinc	Spike	111		ug/L	111		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW40	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD01SW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.094	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW40	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD01SW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	61.8	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1550	JQ	ug/L	1550	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	398		ug/L	398		1.0	YES	S4VEM
Magnesium	Target	1480	JQ	ug/L	1480	J	1.0	YES	S4VEM
Manganese	Target	36.8		ug/L	36.8		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8140		ug/L	8140		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW40	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD01SW-D	pH: 1.9	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.21	JQ	ug/L	0.21	J	1.0	YES	S4VEM
Barium	Target	12.5		ug/L	12.5		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.90	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.12	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW42	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD05SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.068	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW42	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD05SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	43.8	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1540	JQ	ug/L	1540	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	166		ug/L	166		1.0	YES	S4VEM
Magnesium	Target	1580	JQ	ug/L	1580	J	1.0	YES	S4VEM
Manganese	Target	16.6		ug/L	16.6		1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8210		ug/L	8210		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW42	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD05SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.090	JQ	ug/L	0.090	J	1.0	YES	S4VEM
Barium	Target	14.9		ug/L	14.9		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.53	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.080	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: PD09SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.067	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: PD09SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	41.3	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1440	JQ	ug/L	1440	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	78.3	J	1.0	YES	S4VEM
Magnesium	Target	1530	JQ	ug/L	1530	J	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	12.9	J	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	8120		ug/L	8120		1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: PD09SW-D	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	13.6		ug/L	13.6		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	2.0	U	ug/L	0.35	J	1.0	YES	S4VEM
Lead	Target	1.0	U	ug/L	0.10	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46D	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.068	J	ug/L	0.068	J	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46D	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	45.6	J	ug/L	45.6	J	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	1420	J	ug/L	1420	J	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	75.5	J	ug/L	75.5	J	1.0	YES	S4VEM
Magnesium	Target	1530	J	ug/L	1530	J	1.0	YES	S4VEM
Manganese	Target	13.2	J	ug/L	13.2	J	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	7930		ug/L	7930		1.0	YES	S4VEM
Thallium	Target	5.2	J	ug/L	5.2	J	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46D	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	0.10	J	ug/L	0.10	J	1.0	YES	S4VEM
Barium	Target	13.5		ug/L	13.5		1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	0.42	J	ug/L	0.42	J	1.0	YES	S4VEM
Lead	Target	0.11	J	ug/L	0.11	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46L	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	U	5.0	YES	S4VEM
Antimony	Target	300	U	ug/L	300	U	5.0	YES	S4VEM
Beryllium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S4VEM
Calcium	Target	1500	J	ug/L	1500	J	5.0	YES	S4VEM
Chromium	Target	50.0	U	ug/L	50.0	U	5.0	YES	S4VEM
Cobalt	Target	250	U	ug/L	250	U	5.0	YES	S4VEM
Iron	Target	500	U	ug/L	500	U	5.0	YES	S4VEM
Magnesium	Target	1470	J	ug/L	1470	J	5.0	YES	S4VEM
Manganese	Target	13.0	J	ug/L	13.0	J	5.0	YES	S4VEM
Nickel	Target	200	U	ug/L	200	U	5.0	YES	S4VEM
Potassium	Target	25000	U	ug/L	25000	U	5.0	YES	S4VEM
Sodium	Target	8520	J	ug/L	8520	J	5.0	YES	S4VEM
Thallium	Target	125	U	ug/L	125	U	5.0	YES	S4VEM
Vanadium	Target	250	U	ug/L	250	U	5.0	YES	S4VEM
Zinc	Target	300	U	ug/L	300	U	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46L	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Barium	Target	13.3	J	ug/L	13.3	J	5.0	YES	S4VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM
Copper	Target	0.55	J	ug/L	0.55	J	5.0	YES	S4VEM
Lead	Target	0.45	J	ug/L	0.45	J	5.0	YES	S4VEM
Selenium	Target	7.9	J	ug/L	7.9	J	5.0	YES	S4VEM
Silver	Target	5.0	U	ug/L	5.0	U	5.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46S	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	1.1		ug/L	1.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46S	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	1990		ug/L	1990		1.0	YES	S4VEM
Antimony	Spike	95.4		ug/L	95.4		1.0	YES	S4VEM
Beryllium	Spike	51.0		ug/L	51.0		1.0	YES	S4VEM
Chromium	Spike	206		ug/L	206		1.0	YES	S4VEM
Cobalt	Spike	511		ug/L	511		1.0	YES	S4VEM
Iron	Spike	1130		ug/L	1130		1.0	YES	S4VEM
Manganese	Spike	519		ug/L	519		1.0	YES	S4VEM
Nickel	Spike	528		ug/L	528		1.0	YES	S4VEM
Thallium	Spike	40.9		ug/L	40.9		1.0	YES	S4VEM
Vanadium	Spike	512		ug/L	512		1.0	YES	S4VEM
Zinc	Spike	535		ug/L	535		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: MJLW46S	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 1.9	Sample Date: 09/12/2020	Sample Time: 11:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Spike	41.9		ug/L	41.9		1.0	YES	S4VEM
Barium	Spike	2160		ug/L	2160		1.0	YES	S4VEM
Cadmium	Spike	54.7		ug/L	54.7		1.0	YES	S4VEM
Copper	Spike	265		ug/L	265		1.0	YES	S4VEM
Lead	Spike	19.5		ug/L	19.5		1.0	YES	S4VEM
Selenium	Spike	111		ug/L	111		1.0	YES	S4VEM
Silver	Spike	46.8		ug/L	46.8		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW871	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM
Copper	Target	0.38	J	ug/L	0.38	J	1.0	YES	S4VEM
Lead	Target	0.12	J	ug/L	0.12	J	1.0	YES	S4VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW943	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	200	U	1.0	YES	S4VEM
Antimony	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S4VEM
Calcium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Chromium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S4VEM
Cobalt	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Iron	Target	100	U	ug/L	100	U	1.0	YES	S4VEM
Magnesium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Manganese	Target	15.0	U	ug/L	15.0	U	1.0	YES	S4VEM
Nickel	Target	40.0	U	ug/L	40.0	U	1.0	YES	S4VEM
Potassium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Sodium	Target	5000	U	ug/L	5000	U	1.0	YES	S4VEM
Thallium	Target	25.0	U	ug/L	25.0	U	1.0	YES	S4VEM
Vanadium	Target	50.0	U	ug/L	50.0	U	1.0	YES	S4VEM
Zinc	Target	60.0	U	ug/L	60.0	U	1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW14030/MJLW40** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW998	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.014	J	ug/L	0.014	J	1.0	YES	S4VEM

MEMORANDUM

DATE: October 20, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 17 soil and 3 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Dioxins/Furans at Frontier Analytical Laboratory, El Dorado Hills, California, following EPA CLP SOW HRSM01.2. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

PJLTR0	PJLTR2	PJLTR4	PJLTT0	PJLTT1
PJLTT6	PJLTR1	PJLW05	PJLTQ8	PJLTQ9
PJLTR3	PJLTT7	PJLTY3	PJLW05	PJLTY4
PJLTX4	PJLTX5	PJLTX6	PJLTX4	PJLTR5

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services & Applied Science Division (LSASD)

October 19, 2020

MEMORANDUM

Subject: Data Validation Report for Former Western States Plywood Coop Mill, Case #49090, SDG: PJLTQ8, High Resolution Mass Spectrometry (HRMS) Analyses for Dioxin and Furans

KARIN FEDDERSEN-LETHE Digitally signed by KARIN FEDDERSEN-LETHE Date: 2020.10.20 08:31:58 -07'00'

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Derek Pulvino and Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of seventeen soil samples and three water samples collected from the above-referenced site, has been completed. These samples were analyzed for dioxins/furans by Frontier Analytical Laboratory located in El Dorado Hills, CA. Soil sample results are reported on a dry weight basis. Tissue results are reported on a wet weight basis. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Quality Assurance Project Plan (QAPP) for Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- EPA Contract Laboratory Program Statement of Work for High Resolution Superfund Methods (Multi-Media, Multi-Concentration) HRSM01.2;
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA542-B-16-001); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Chlorinated Dibenzo-p-Dioxin/Chlorinated Dibenzofuran (CDD/CDF) Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Blanks	N	N	Nondetect†; or sample >5X Blank††
Initial Calibration	N	N	S/N Ratio: ≥10; ISC % valley: ≤15%; IAR ±15%; %RSD: ≤20% (target); ≤35% (labeled)
Continuing Calibration Verification	N	N	S/N Ratio: ≥10 RR %D: ±25% (target); RRF %D ±35% (labeled)
Labeled Compounds	N	N	Varies by compound‡
Laboratory Control Samples	N	N	Varies by compound‡
Target Analyte Identification	N	N	S/N >3; IAR ±15%, PCDE interference ≤10%, Lock mass interference<20% Lock mass interference<50%
Toxic Equivalent (TEQ)	Y	Y*	J qualified results represent ≤10%; EMPC values not included. (NOTE: blank value contribution to TEQs have not been evaluated)

*See the Data Qualifications section below for outliers and qualification of affected data.
† <3X CRQL for OCDD/OCDF
†† 10x for OCDD/OCDF
‡ See NFG HR Superfund Table 15 for individual compound acceptance criteria.
(Note: S/N = Signal to Noise, ISC = Isomer Specificity Check, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference, IAR = Ion Abundance Ratio)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs).

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

CDD/CDF ORGANICS ANALYSIS	
Target Analyte Quantitation Qualification Summary	
The following samples have nondetect results reported below the quantitation limit (CRQL). Detects are qualified JQ. Nondetects are qualified UJ at the EDL/MDL.	
2,3,7,8-TCDD	PJLTR0, PJLTR2, PJLTR4, PJLTT0, PJLTT1
1,2,3,7,8-PeCDD	PJLTR0, PJLTR2, PJLTR4, PJLTT0, PJLTT1, PJLTT6
1,2,3,4,7,8-HxCDD	PJLTR1, PJLTR2, PJLTT0, PJLTT1
1,2,3,6,7,8-HxCDD	PJLTR1, PJLTR2, PJLTT0, PJLTT1, PJLW05
1,2,3,7,8,9-HxCDD	PJLTR1, PJLTR2, PJLTT0, PJLTT1
1,2,3,4,6,7,8-HpCDD	PJLTQ8, PJLTQ9, PJLTR3, PJLTT7, PJLTY3, PJLW05
OCDD	PJLTY3, PJLTY4, PJLW09
2,3,7,8-TCDF	PJLTR0, PJLTR2, PJLTR4, PJLTT0
1,2,3,7,8-PeCDF	PJLTR0, PJLTR4, PJLTT6
2,3,4,7,8-PeCDF	PJLTR2, PJLTT6
1,2,3,4,7,8-HxCDF	PJLTR1, PJLTR2, PJLTT0, PJLTT1
1,2,3,6,7,8-HxCDF	PJLTR2, PJLTT6
1,2,3,7,8,9-HxCDF	PJLTR0, PJLTR4, PJLTT6
2,3,4,6,7,8-HxCDF	PJLTR2, PJLTT0
1,2,3,4,6,7,8-HpCDF	PJLTQ8, PJLTQ9, PJLTR5, PJLTT1, PJLTT7, PJLW05
1,2,3,4,7,8,9-HpCDF	PJLTR1, PJLTR2, PJLTT0
OCDF	PJLTQ8, PJLTQ9, PJLTR3, PJLTR5, PJLTT7, PJLW05
The following samples are not properly diluted when analyte results exceeding the upper limit of the calibration range. Detects are qualified J.	
OCDD	PJLTT6, PJLTX4, PJLTX5, PJLTX6
Homologue totals are reported for all samples. Detects are qualified J. Nondetects are qualified UJ.	
Total TCDD Total PeCDD Total HxCDD Total HpCDD Total TCDF Total PeCDF Total HxCDF Total HpCDF	PJLTQ8, PJLTQ9, PJLTR0, PJLTR1, PJLTR2, PJLTR3, PJLTR4, PJLTR5, PJLTT0, PJLTT1, PJLTT6, PJLTT7, PJLTX4, PJLTX5, PJLTX6, PJLTY3, PJLTY4, PJLW05, PJLW07, PJLW09

Data Validation Report
Analytical Sample Listing

Tue, 13 Oct 2020 17:15:05

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW16006/PJLTQ8

Lab Name: Frontier Analytical Laboratory

Submission Group Id: 32006475

Organization: EPA Region 10

SOW: HRSM01.2

Method - Dioxin

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
PJLTR4	FS	Soil		09/09/2020 13:45:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 21:05:38	DB5MS	FAL4
								SDS	09/17/2020 16:00:00	Confirmation	09/23/2020 18:49:21	007-225	FAL3
PJLTX4	FS	Soil		09/09/2020 14:00:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Confirmation	09/24/2020 12:11:23	007-225	FAL3
								SDS	09/21/2020 16:00:00	Initial	09/23/2020 14:35:40	DB5MS	FAL4
								SDS	09/21/2020 16:00:00	Dilution-01	09/25/2020 01:02:02	DB5MS	FAL4
PJLTR5	FS	Soil		09/09/2020 14:11:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 22:00:32	DB5MS	FAL4
PJLTX5	FS	Soil		09/09/2020 14:16:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Dilution-01	09/25/2020 01:56:58	DB5MS	FAL4
								SDS	09/21/2020 16:00:00	Confirmation	09/24/2020 12:57:47	007-225	FAL3
								SDS	09/21/2020 16:00:00	Initial	09/23/2020 15:30:33	DB5MS	FAL4
PJLTX6	FS	Soil		09/09/2020 14:34:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Dilution-01	09/25/2020 02:51:53	DB5MS	FAL4
								SDS	09/21/2020 16:00:00	Confirmation	09/24/2020 13:44:12	007-225	FAL3
								SDS	09/21/2020 16:00:00	Initial	09/23/2020 16:25:26	DB5MS	FAL4
PJLTT6	FS	Soil		09/09/2020 15:14:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Confirmation	09/24/2020 11:24:58	007-225	FAL3
								SDS	09/21/2020 16:00:00	Initial	09/23/2020 12:45:55	DB5MS	FAL4
PJLTT7	FS	Soil		09/09/2020 15:45:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Initial	09/23/2020 13:40:47	DB5MS	FAL4
PJLTQ8	FS	Soil		09/09/2020 15:51:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 15:36:13	DB5MS	FAL4
PJLTQ9	FS	Soil		09/09/2020 16:07:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 16:31:08	DB5MS	FAL4
PJLTR0	FS	Soil		09/09/2020	09/12/2020			SDS	09/17/2020	Initial	09/22/2020	DB5MS	FAL4

Data Validation Report
Analytical Sample Listing

Tue, 13 Oct 2020 17:15:05

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW16006/PJLTQ8

Lab Name: Frontier Analytical Laboratory

Submission Group Id: 32006475

Organization: EPA Region 10

SOW: HRSM01.2

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
				17:04:00	10:50:00				16:00:00		17:26:02		
								SDS	09/17/2020 16:00:00	Confirmation	09/23/2020 17:16:31	007-225	FAL3
PJLTR1	FS	Soil		09/09/2020 17:24:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 18:20:57	DB5MS	FAL4
PJLW05	FS	Water		09/09/2020 17:51:00	09/12/2020 10:50:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 22:17:16	DB5MS	FAL4
PJLTR2	FS	Soil		09/10/2020 08:42:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 19:15:51	DB5MS	FAL4
								SDS	09/17/2020 16:00:00	Confirmation	09/23/2020 18:02:56	007-225	FAL3
PJLTT0	FS	Soil		09/10/2020 09:25:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Initial	09/23/2020 10:56:10	DB5MS	FAL4
								SDS	09/21/2020 16:00:00	Confirmation	09/24/2020 10:38:33	007-225	FAL3
PJLW07	FS	Water		09/10/2020 09:34:00	09/12/2020 10:50:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 23:12:11	DB5MS	FAL4
PJLTY3	FS	Soil		09/10/2020 09:47:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Initial	09/23/2020 17:20:20	DB5MS	FAL4
PJLTT1	FS	Soil		09/10/2020 10:12:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Initial	09/23/2020 11:51:02	DB5MS	FAL4
PJLTR3	FS	Soil		09/10/2020 10:24:00	09/12/2020 10:50:00			SDS	09/17/2020 16:00:00	Initial	09/22/2020 20:10:45	DB5MS	FAL4
PJLTY4	FS	Soil		09/10/2020 10:25:00	09/12/2020 10:50:00			SDS	09/21/2020 16:00:00	Initial	09/23/2020 18:15:14	DB5MS	FAL4
PJLW09	FS	Water		09/10/2020 12:17:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/25/2020 00:07:06	DB5MS	FAL4

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK48	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.099	U	ng/kg	0.099	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	0.91	U	ng/kg	0.91	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK51	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.11	U	ng/kg	0.11	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	0.91	U	ng/kg	0.91	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK53	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.88	U	pg/L	0.88	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.6	U	pg/L	1.6	U	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	U	pg/L	4.3	UM	1.0	YES	S4VEM
OCDD	Target	7.8	U	pg/L	7.8	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.6	U	pg/L	6.6	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS48	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	86		ng/kg	86		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	88		ng/kg	88		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	88		ng/kg	88		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	86		ng/kg	86		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	89		ng/kg	89		1.0	YES	S4VEM
OCDD	Spike	170		ng/kg	170		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	17		ng/kg	17		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	88		ng/kg	88		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
OCDF	Spike	180		ng/kg	180		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS51	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	21		ng/kg	21		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	98		ng/kg	98		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	98		ng/kg	98		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	99		ng/kg	99		1.0	YES	S4VEM
OCDD	Spike	200		ng/kg	200		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	21		ng/kg	21		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	110		ng/kg	110		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS53	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDD	Spike	2100		pg/L	2100		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDF	Spike	2100		pg/L	2100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD48	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	84		ng/kg	84		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	88		ng/kg	88		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	85		ng/kg	85		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	89		ng/kg	89		1.0	YES	S4VEM
OCDD	Spike	180		ng/kg	180		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	87		ng/kg	87		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	91		ng/kg	91		1.0	YES	S4VEM
OCDF	Spike	190		ng/kg	190		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD51	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	22		ng/kg	22		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDD	Spike	210		ng/kg	210		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	21		ng/kg	21		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD53	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	990		pg/L	990		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDD	Spike	2000		pg/L	2000		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDF	Spike	2100		pg/L	2100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTQ8	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL05GP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:51:00
% Moisture:		% Solids: 71.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.13	U	ng/kg	0.13	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	3.1	JQ	ng/kg	3.1	J	1.0	YES	S4VEM
OCDD	Target	39		ng/kg	39		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.98	JQ	ng/kg	0.98	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	3.6	JQ	ng/kg	3.6	J	1.0	YES	S4VEM
Total TCDD	Derived	0.25	J	ng/kg	0.25	J	1.0	YES	S4VEM
Total PeCDD	Derived	0.55	J	ng/kg	0.55	J	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	6.3	J	ng/kg	6.3	J	1.0	YES	S4VEM
Total TCDF	Derived	1.5	J	ng/kg	1.5	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	2.8	J	ng/kg	2.8	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.054	J	ng/kg	0.054		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.017	J	ng/kg	0.017		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.017	J	ng/kg	0.017		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTQ9	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL05GP02	pH:	Sample Date: 09/09/2020	Sample Time: 16:07:00
% Moisture:		% Solids: 73.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.11	U	ng/kg	0.11	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	1.7	JQ	ng/kg	1.7	J	1.0	YES	S4VEM
OCDD	Target	18		ng/kg	18		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.46	JQ	ng/kg	0.46	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	1.9	JQ	ng/kg	1.9	J	1.0	YES	S4VEM
Total TCDD	Derived	1.6	J	ng/kg	1.6	J	1.0	YES	S4VEM
Total PeCDD	Derived	3.1	J	ng/kg	3.1	J	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	3.4	J	ng/kg	3.4	J	1.0	YES	S4VEM
Total TCDF	Derived	7.4	J	ng/kg	7.4	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	1.4	J	ng/kg	1.4	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.028	J	ng/kg	0.028		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0083	J	ng/kg	0.0083		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0083	J	ng/kg	0.0083		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR0	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL06GP01	pH:	Sample Date: 09/09/2020	Sample Time: 17:04:00
% Moisture:		% Solids: 83.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.36	JQ	ng/kg	0.36	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	2.5	JQ	ng/kg	2.5	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	6.9		ng/kg	6.9		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	33		ng/kg	33		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	10		ng/kg	10		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	620		ng/kg	620		1.0	YES	S4VEM
OCDD	Target	5100		ng/kg	5100		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.67	JQ	ng/kg	0.67	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	2.2	JQ	ng/kg	2.2	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	7.4		ng/kg	7.4		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	13		ng/kg	13		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	6.2		ng/kg	6.2		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.3	JQ	ng/kg	3.3	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	9.0		ng/kg	9.0		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	140		ng/kg	140		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	9.9		ng/kg	9.9		1.0	YES	S4VEM
OCDF	Target	410		ng/kg	410		1.0	YES	S4VEM
Total TCDD	Derived	7.3	J	ng/kg	7.3	J	1.0	YES	S4VEM
Total PeCDD	Derived	20	J	ng/kg	20	J	1.0	YES	S4VEM
Total HxCDD	Derived	150	J	ng/kg	150	J	1.0	YES	S4VEM
Total HpCDD	Derived	1100	J	ng/kg	1100	J	1.0	YES	S4VEM
Total TCDF	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total PeCDF	Derived	84	J	ng/kg	84	J	1.0	YES	S4VEM
Total HxCDF	Derived	210	J	ng/kg	210	J	1.0	YES	S4VEM
Total HpCDF	Derived	430	J	ng/kg	430	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	23	J	ng/kg	23		1.0	YES	S4VEM
TEQ (Bird)	Derived	19	J	ng/kg	19		1.0	YES	S4VEM
TEQ (Fish)	Derived	16	J	ng/kg	16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR1	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL06GP02	pH:	Sample Date: 09/09/2020	Sample Time: 17:24:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.10	U	ng/kg	0.10	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.52	JQ	ng/kg	0.52	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.80	JQ	ng/kg	0.80	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	29		ng/kg	29		1.0	YES	S4VEM
OCDD	Target	230		ng/kg	230		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.65	JQ	ng/kg	0.65	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	6.9		ng/kg	6.9		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.49	JQ	ng/kg	0.49	J	1.0	YES	S4VEM
OCDF	Target	20		ng/kg	20		1.0	YES	S4VEM
Total TCDD	Derived	0.21	J	ng/kg	0.21	J	1.0	YES	S4VEM
Total PeCDD	Derived	3.7	J	ng/kg	3.7	J	1.0	YES	S4VEM
Total HxCDD	Derived	9.2	J	ng/kg	9.2	J	1.0	YES	S4VEM
Total HpCDD	Derived	45	J	ng/kg	45	J	1.0	YES	S4VEM
Total TCDF	Derived	1.9	J	ng/kg	1.9	J	1.0	YES	S4VEM
Total PeCDF	Derived	1.3	J	ng/kg	1.3	J	1.0	YES	S4VEM
Total HxCDF	Derived	5.4	J	ng/kg	5.4	J	1.0	YES	S4VEM
Total HpCDF	Derived	18	J	ng/kg	18	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.79	J	ng/kg	0.79		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.31	J	ng/kg	0.31		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.48	J	ng/kg	0.48		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR2	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL07GP01	pH:	Sample Date: 09/10/2020	Sample Time: 08:42:00
% Moisture:		% Solids: 90.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.88	JQ	ng/kg	0.88	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.51	JQ	ng/kg	0.51	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.94	JQ	ng/kg	0.94	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.4	JQ	ng/kg	2.4	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	46		ng/kg	46		1.0	YES	S4VEM
OCDD	Target	410		ng/kg	410		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.20	JQ	ng/kg	0.20	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.61	JQ	ng/kg	0.61	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.91	JQ	ng/kg	0.91	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.55	JQ	ng/kg	0.55	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.87	JQ	ng/kg	0.87	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	12		ng/kg	12		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.88	JQ	ng/kg	0.88	J	1.0	YES	S4VEM
OCDF	Target	33		ng/kg	33		1.0	YES	S4VEM
Total TCDD	Derived	3.3	J	ng/kg	3.3	J	1.0	YES	S4VEM
Total PeCDD	Derived	5.4	J	ng/kg	5.4	J	1.0	YES	S4VEM
Total HxCDD	Derived	19	J	ng/kg	19	J	1.0	YES	S4VEM
Total HpCDD	Derived	90	J	ng/kg	90	J	1.0	YES	S4VEM
Total TCDF	Derived	5.6	J	ng/kg	5.6	J	1.0	YES	S4VEM
Total PeCDF	Derived	4.5	J	ng/kg	4.5	J	1.0	YES	S4VEM
Total HxCDF	Derived	21	J	ng/kg	21	J	1.0	YES	S4VEM
Total HpCDF	Derived	41	J	ng/kg	41	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	3.0	J	ng/kg	3.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	2.9	J	ng/kg	2.9		1.0	YES	S4VEM
TEQ (Fish)	Derived	2.7	J	ng/kg	2.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR3	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL07GP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:24:00
% Moisture:		% Solids: 85.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.10	U	ng/kg	0.10	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	2.4	JQ	ng/kg	2.4	J	1.0	YES	S4VEM
OCDD	Target	19		ng/kg	19		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
Total TCDD	Derived	0.78	J	ng/kg	0.78	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.5	J	ng/kg	2.5	J	1.0	YES	S4VEM
Total HxCDD	Derived	0.77	J	ng/kg	0.77	J	1.0	YES	S4VEM
Total HpCDD	Derived	4.5	J	ng/kg	4.5	J	1.0	YES	S4VEM
Total TCDF	Derived	4.5	J	ng/kg	4.5	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	0.98	J	ng/kg	0.98	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.030	J	ng/kg	0.030		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0045	J	ng/kg	0.0045		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0045	J	ng/kg	0.0045		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR4	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL08TP01	pH:	Sample Date: 09/09/2020	Sample Time: 13:45:00
% Moisture:		% Solids: 79.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.55	JQ	ng/kg	0.55	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	2.0	JQ	ng/kg	2.0	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	6.6		ng/kg	6.6		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	30		ng/kg	30		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	9.3		ng/kg	9.3		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	750		ng/kg	750		1.0	YES	S4VEM
OCDD	Target	7400		ng/kg	7400		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.65	JQ	ng/kg	0.65	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	2.5	JQ	ng/kg	2.5	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	6.2		ng/kg	6.2		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	14		ng/kg	14		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	6.7		ng/kg	6.7		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	4.4	JQ	ng/kg	4.4	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	11		ng/kg	11		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	240		ng/kg	240		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	18		ng/kg	18		1.0	YES	S4VEM
OCDF	Target	830		ng/kg	830		1.0	YES	S4VEM
Total TCDD	Derived	6.8	J	ng/kg	6.8	J	1.0	YES	S4VEM
Total PeCDD	Derived	20	J	ng/kg	20	J	1.0	YES	S4VEM
Total HxCDD	Derived	160	J	ng/kg	160	J	1.0	YES	S4VEM
Total HpCDD	Derived	1300	J	ng/kg	1300	J	1.0	YES	S4VEM
Total TCDF	Derived	12	J	ng/kg	12	J	1.0	YES	S4VEM
Total PeCDF	Derived	87	J	ng/kg	87	J	1.0	YES	S4VEM
Total HxCDF	Derived	340	J	ng/kg	340	J	1.0	YES	S4VEM
Total HpCDF	Derived	880	J	ng/kg	880	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	25	J	ng/kg	25		1.0	YES	S4VEM
TEQ (Bird)	Derived	19	J	ng/kg	19		1.0	YES	S4VEM
TEQ (Fish)	Derived	17	J	ng/kg	17		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR5	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL08TP02	pH:	Sample Date: 09/09/2020	Sample Time: 14:11:00
% Moisture:		% Solids: 88.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.12	U	ng/kg	0.12	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	7.1		ng/kg	7.1		1.0	YES	S4VEM
OCDD	Target	70		ng/kg	70		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.13	U	ng/kg	0.13	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	2.6	JQ	ng/kg	2.6	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	8.4	JQ	ng/kg	8.4	J	1.0	YES	S4VEM
Total TCDD	Derived	1.5	J	ng/kg	1.5	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.9	J	ng/kg	2.9	J	1.0	YES	S4VEM
Total HxCDD	Derived	0.66	J	ng/kg	0.66	J	1.0	YES	S4VEM
Total HpCDD	Derived	12	J	ng/kg	12	J	1.0	YES	S4VEM
Total TCDF	Derived	4.5	J	ng/kg	4.5	J	1.0	YES	S4VEM
Total PeCDF	Derived	0.77	J	ng/kg	0.77	J	1.0	YES	S4VEM
Total HxCDF	Derived	3.4	J	ng/kg	3.4	J	1.0	YES	S4VEM
Total HpCDF	Derived	8.5	J	ng/kg	8.5	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.12	J	ng/kg	0.12		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.041	J	ng/kg	0.041		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.041	J	ng/kg	0.041		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT0	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL16TP01	pH:	Sample Date: 09/10/2020	Sample Time: 09:25:00
% Moisture:		% Solids: 78.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.25	JQ	ng/kg	0.25	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.92	JQ	ng/kg	0.92	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.3	JQ	ng/kg	1.3	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	3.7	JQ	ng/kg	3.7	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.7	JQ	ng/kg	2.7	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	82		ng/kg	82		1.0	YES	S4VEM
OCDD	Target	450		ng/kg	450		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.15	JQ	ng/kg	0.15	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.70	JQ	ng/kg	0.70	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.47	JQ	ng/kg	0.47	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	6.3		ng/kg	6.3		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.64	JQ	ng/kg	0.64	J	1.0	YES	S4VEM
OCDF	Target	26		ng/kg	26		1.0	YES	S4VEM
Total TCDD	Derived	6.3	J	ng/kg	6.3	J	1.0	YES	S4VEM
Total PeCDD	Derived	7.2	J	ng/kg	7.2	J	1.0	YES	S4VEM
Total HxCDD	Derived	29	J	ng/kg	29	J	1.0	YES	S4VEM
Total HpCDD	Derived	140	J	ng/kg	140	J	1.0	YES	S4VEM
Total TCDF	Derived	2.0	J	ng/kg	2.0	J	1.0	YES	S4VEM
Total PeCDF	Derived	2.1	J	ng/kg	2.1	J	1.0	YES	S4VEM
Total HxCDF	Derived	8.9	J	ng/kg	8.9	J	1.0	YES	S4VEM
Total HpCDF	Derived	23	J	ng/kg	23	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	3.1	J	ng/kg	3.1		1.0	YES	S4VEM
TEQ (Bird)	Derived	2.1	J	ng/kg	2.1		1.0	YES	S4VEM
TEQ (Fish)	Derived	2.2	J	ng/kg	2.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT1	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL16TP02	pH:	Sample Date: 09/10/2020	Sample Time: 10:12:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.15	JQ	ng/kg	0.15	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.39	JQ	ng/kg	0.39	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.64	JQ	ng/kg	0.64	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	1.7	JQ	ng/kg	1.7	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.1	JQ	ng/kg	1.1	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	34		ng/kg	34		1.0	YES	S4VEM
OCDD	Target	220		ng/kg	220		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.12	U	ng/kg	0.12	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.42	JQ	ng/kg	0.42	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	4.7	JQ	ng/kg	4.7	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	17		ng/kg	17		1.0	YES	S4VEM
Total TCDD	Derived	1.6	J	ng/kg	1.6	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.3	J	ng/kg	2.3	J	1.0	YES	S4VEM
Total HxCDD	Derived	13	J	ng/kg	13	J	1.0	YES	S4VEM
Total HpCDD	Derived	63	J	ng/kg	63	J	1.0	YES	S4VEM
Total TCDF	Derived	0.23	J	ng/kg	0.23	J	1.0	YES	S4VEM
Total PeCDF	Derived	1.6	J	ng/kg	1.6	J	1.0	YES	S4VEM
Total HxCDF	Derived	6.8	J	ng/kg	6.8	J	1.0	YES	S4VEM
Total HpCDF	Derived	16	J	ng/kg	16	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	1.4	J	ng/kg	1.4		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.85	J	ng/kg	0.85		1.0	YES	S4VEM
TEQ (Fish)	Derived	1.0	J	ng/kg	1.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT6	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL19TP01	pH:	Sample Date: 09/09/2020	Sample Time: 15:14:00
% Moisture:		% Solids: 76.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	2.7		ng/kg	2.7		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.7	JQ	ng/kg	3.7	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	7.1		ng/kg	7.1		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	25		ng/kg	25		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	13		ng/kg	13		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	960		ng/kg	960		1.0	YES	S4VEM
OCDD	Target	9800	J	ng/kg	9800	E	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.4		ng/kg	1.4		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.4	JQ	ng/kg	3.4	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	7.8		ng/kg	7.8		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	4.6	JQ	ng/kg	4.6	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	2.4	JQ	ng/kg	2.4	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	6.7		ng/kg	6.7		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	170		ng/kg	170		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	9.5		ng/kg	9.5		1.0	YES	S4VEM
OCDF	Target	580		ng/kg	580		1.0	YES	S4VEM
Total TCDD	Derived	18	J	ng/kg	18	J	1.0	YES	S4VEM
Total PeCDD	Derived	29	J	ng/kg	29	J	1.0	YES	S4VEM
Total HxCDD	Derived	170	J	ng/kg	170	J	1.0	YES	S4VEM
Total HpCDD	Derived	1700	J	ng/kg	1700	J	1.0	YES	S4VEM
Total TCDF	Derived	29	J	ng/kg	29	J	1.0	YES	S4VEM
Total PeCDF	Derived	45	J	ng/kg	45	J	1.0	YES	S4VEM
Total HxCDF	Derived	200	J	ng/kg	200	J	1.0	YES	S4VEM
Total HpCDF	Derived	550	J	ng/kg	550	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	29	J	ng/kg	29		1.0	YES	S4VEM
TEQ (Bird)	Derived	19	J	ng/kg	19		1.0	YES	S4VEM
TEQ (Fish)	Derived	18	J	ng/kg	18		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT7	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL19TP02	pH:	Sample Date: 09/09/2020	Sample Time: 15:45:00
% Moisture:		% Solids: 82.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.12	U	ng/kg	0.12	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.6	JQ	ng/kg	4.6	J	1.0	YES	S4VEM
OCDD	Target	44		ng/kg	44		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.60	JQ	ng/kg	0.60	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	3.1	JQ	ng/kg	3.1	J	1.0	YES	S4VEM
Total TCDD	Derived	0.35	J	ng/kg	0.35	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.4	J	ng/kg	2.4	J	1.0	YES	S4VEM
Total HxCDD	Derived	1.4	J	ng/kg	1.4	J	1.0	YES	S4VEM
Total HpCDD	Derived	8.6	J	ng/kg	8.6	J	1.0	YES	S4VEM
Total TCDF	Derived	3.8	J	ng/kg	3.8	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	2.2	J	ng/kg	2.2	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.066	J	ng/kg	0.066		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.015	J	ng/kg	0.015		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.015	J	ng/kg	0.015		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX4	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD01SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 19.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	7.1		ng/kg	7.1		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	21		ng/kg	21		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	33		ng/kg	33		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	140		ng/kg	140		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	60		ng/kg	60		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	3200		ng/kg	3200	D	5.0	YES	S4VEM
OCDD	Target	33000	J	ng/kg	33000	DE	5.0	YES	S4VEM
2,3,7,8-TCDF	Target	3.1		ng/kg	3.1		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	13		ng/kg	13		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	33		ng/kg	33		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	83		ng/kg	83		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	39		ng/kg	39		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	27		ng/kg	27		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	60		ng/kg	60		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	880		ng/kg	880		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	68		ng/kg	68		1.0	YES	S4VEM
OCDF	Target	2600		ng/kg	2600		1.0	YES	S4VEM
Total TCDD	Derived	47	J	ng/kg	47	J	1.0	YES	S4VEM
Total PeCDD	Derived	200	J	ng/kg	200	J	1.0	YES	S4VEM
Total HxCDD	Derived	940	J	ng/kg	940	J	1.0	YES	S4VEM
Total HpCDD	Derived	5200	J	ng/kg	5200	J	1.0	YES	S4VEM
Total TCDF	Derived	150	J	ng/kg	150	J	1.0	YES	S4VEM
Total PeCDF	Derived	500	J	ng/kg	500	J	1.0	YES	S4VEM
Total HxCDF	Derived	1900	J	ng/kg	1900	J	1.0	YES	S4VEM
Total HpCDF	Derived	3300	J	ng/kg	3300	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	140		ng/kg	140		1.0	YES	S4VEM
TEQ (Bird)	Derived	110		ng/kg	110		1.0	YES	S4VEM
TEQ (Fish)	Derived	100		ng/kg	100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX5	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD02SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:16:00
% Moisture:		% Solids: 35.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	4.5		ng/kg	4.5		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	25		ng/kg	25		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	35		ng/kg	35		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	120		ng/kg	120		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	67		ng/kg	67		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	2600		ng/kg	2600	D	5.0	YES	S4VEM
OCDD	Target	24000	J	ng/kg	24000	DE	5.0	YES	S4VEM
2,3,7,8-TCDF	Target	2.9		ng/kg	2.9		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	11		ng/kg	11		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	30		ng/kg	30		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	71		ng/kg	71		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	32		ng/kg	32		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	22		ng/kg	22		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	53		ng/kg	53		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	700		ng/kg	700		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	51		ng/kg	51		1.0	YES	S4VEM
OCDF	Target	1600		ng/kg	1600		1.0	YES	S4VEM
Total TCDD	Derived	62	J	ng/kg	62	J	1.0	YES	S4VEM
Total PeCDD	Derived	330	J	ng/kg	330	J	1.0	YES	S4VEM
Total HxCDD	Derived	1200	J	ng/kg	1200	J	1.0	YES	S4VEM
Total HpCDD	Derived	4400	J	ng/kg	4400	J	1.0	YES	S4VEM
Total TCDF	Derived	170	J	ng/kg	170	J	1.0	YES	S4VEM
Total PeCDF	Derived	540	J	ng/kg	540	J	1.0	YES	S4VEM
Total HxCDF	Derived	1600	J	ng/kg	1600	J	1.0	YES	S4VEM
Total HpCDF	Derived	2300	J	ng/kg	2300	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	120		ng/kg	120		1.0	YES	S4VEM
TEQ (Bird)	Derived	100		ng/kg	100		1.0	YES	S4VEM
TEQ (Fish)	Derived	96		ng/kg	96		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX6	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD03SD	pH:	Sample Date: 09/09/2020	Sample Time: 14:34:00
% Moisture:		% Solids: 43.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	4.5		ng/kg	4.5		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	24		ng/kg	24		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	33		ng/kg	33		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	150		ng/kg	150		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	62		ng/kg	62		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	2500		ng/kg	2500	D	5.0	YES	S4VEM
OCDD	Target	24000	J	ng/kg	24000	DE	5.0	YES	S4VEM
2,3,7,8-TCDF	Target	3.1		ng/kg	3.1		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	11		ng/kg	11		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	28		ng/kg	28		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	63		ng/kg	63		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	29		ng/kg	29		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	23		ng/kg	23		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	48		ng/kg	48		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	620		ng/kg	620		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	44		ng/kg	44		1.0	YES	S4VEM
OCDF	Target	1400		ng/kg	1400		1.0	YES	S4VEM
Total TCDD	Derived	72	J	ng/kg	72	J	1.0	YES	S4VEM
Total PeCDD	Derived	310	J	ng/kg	310	J	1.0	YES	S4VEM
Total HxCDD	Derived	1100	J	ng/kg	1100	J	1.0	YES	S4VEM
Total HpCDD	Derived	4300	J	ng/kg	4300	J	1.0	YES	S4VEM
Total TCDF	Derived	170	J	ng/kg	170	J	1.0	YES	S4VEM
Total PeCDF	Derived	470	J	ng/kg	470	J	1.0	YES	S4VEM
Total HxCDF	Derived	1500	J	ng/kg	1500	J	1.0	YES	S4VEM
Total HpCDF	Derived	2100	J	ng/kg	2100	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	120		ng/kg	120		1.0	YES	S4VEM
TEQ (Bird)	Derived	99		ng/kg	99		1.0	YES	S4VEM
TEQ (Fish)	Derived	90		ng/kg	90		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTY3	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL16TP03	pH:	Sample Date: 09/10/2020	Sample Time: 09:47:00
% Moisture:		% Solids: 73.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.11	U	ng/kg	0.11	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	1.3	JQ	ng/kg	1.3	J	1.0	YES	S4VEM
OCDD	Target	7.2	JQ	ng/kg	7.2	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	2.2	J	ng/kg	2.2	J	1.0	YES	S4VEM
Total TCDF	Derived	0.22	J	ng/kg	0.22	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.015	J	ng/kg	0.015		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0020	J	ng/kg	0.0020		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0020	J	ng/kg	0.0020		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTY4	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL16TP04	pH:	Sample Date: 09/10/2020	Sample Time: 10:25:00
% Moisture:		% Solids: 81.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.12	U	ng/kg	0.12	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.46	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	3.1	JQ	ng/kg	3.1	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived	0.25	J	ng/kg	0.25	J	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived	1.3	J	ng/kg	1.3	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.00093	J	ng/kg	0.00093		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.00031	J	ng/kg	0.00031		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.00031	J	ng/kg	0.00031		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW05	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL05GW	pH:	Sample Date: 09/09/2020	Sample Time: 17:51:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	3.3	JQ	pg/L	3.3	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	43	JQ	pg/L	43	J	1.0	YES	S4VEM
OCDD	Target	340		pg/L	340		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.2	U	pg/L	3.2	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	U	pg/L	2.7	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	6.5	JQ	pg/L	6.5	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.4	U	pg/L	2.4	UM	1.0	YES	S4VEM
OCDF	Target	28	JQ	pg/L	28	J	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived	6.3	J	pg/L	6.3	J	1.0	YES	S4VEM
Total HpCDD	Derived	76	J	pg/L	76	J	1.0	YES	S4VEM
Total TCDF	Derived	17	J	pg/L	17	J	1.0	YES	S4VEM
Total PeCDF	Derived	3.9	J	pg/L	3.9	J	1.0	YES	S4VEM
Total HxCDF	Derived	15	J	pg/L	15	J	1.0	YES	S4VEM
Total HpCDF	Derived	22	J	pg/L	22	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.93	J	pg/L	0.93		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.18	J	pg/L	0.18		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.18	J	pg/L	0.18		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW07	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL06GW	pH:	Sample Date: 09/10/2020	Sample Time: 09:34:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.6	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	U	pg/L	4.4	UM	1.0	YES	S4VEM
OCDD	Target	7.9	U	pg/L	7.9	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	4.0	U	pg/L	4.0	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	4.0	U	pg/L	4.0	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.7	U	pg/L	6.7	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTQ8** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW09	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL07GW	pH:	Sample Date: 09/10/2020	Sample Time: 12:17:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	U	pg/L	4.3	UM	1.0	YES	S4VEM
OCDD	Target	10	JQ	pg/L	10	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.7	U	pg/L	6.7	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0030	J	pg/L	0.0030		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0010	J	pg/L	0.0010		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0010	J	pg/L	0.0010		1.0	YES	S4VEM

MEMORANDUM

DATE: November 4, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 15 soil and 6 sediment samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Dioxins/Furans at Frontier Analytical Laboratory, El Dorado Hills, California, following EPA CLP SOW HRSM01.2. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

PJLTW4	PJLTW5	PJLTW6	PJLTW7	PJLTW8
PJLTW9	PJLTX0	PJLTX1	PJLTX2	PJLTT3
PJLTT8	PJLTT4	PJLTX7	PJLTT5	PJLTX8
PJLTW0	PJLTW2	PJLTY2	PJLTX9	PJLTY0
PJLTY1				

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services & Applied Science Division (LSASD)

November 3, 2020

MEMORANDUM

Subject: Data Validation Report for Former Western States Plywood Coop Mill, Case #49090, SDG: PJLTT3, High Resolution Mass Spectrometry (HRMS) Analyses for Dioxins/Furans

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

KARIN FEDDERSEN-LETHE
Digitally signed by KARIN FEDDERSEN-LETHE
Date: 2020.11.03 17:18:37 -08'00'

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Derek Pulvino and Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of six sediment and fifteen soil samples collected from the above-referenced site, has been completed. These samples were analyzed for dioxins/furans by Frontier Analytical Laboratory located in El Dorado Hills, CA. Soil sample results are reported on a dry weight basis. Tissue results are reported on a wet weight basis. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Quality Assurance Project Plan (QAPP) for Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- EPA Contract Laboratory Program Statement of Work for High Resolution Superfund Methods (Multi-Media, Multi-Concentration) HRSM01.2;
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA542-B-16-001); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

Per Region 10, the laboratory shall proceed to place 21 samples into the SDG, note the issue on the SDG Narrative, and proceed with analysis.

Percent solids were below 30% in samples PJLTX7, PJLTX9, PJLTY0, and PJLTY1.

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Chlorinated Dibenzo-p-Dioxin/Chlorinated Dibenzofuran (CDD/CDF) Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Blanks	N	N	Nondetect†; or sample >5X Blank††
Initial Calibration	N	N	S/N Ratio: ≥10; ISC % valley: ≤15%; IAR ±15%; %RSD: ≤20% (target); ≤35% (labeled)
Continuing Calibration Verification	N	N	S/N Ratio: ≥10 RR %D: ±25% (target); RRF %D ±35% (labeled)
Labeled Compounds	N	N	Varies by compound‡
Laboratory Control Samples	N	N	Varies by compound‡
Target Analyte Identification	N	N	S/N >3; IAR ±15%, PCDE interference ≤10%, Lock mass interference<20% Expanded criteria IAR ±30% PCDE ≤25%, Lock mass interference<50%
Toxic Equivalent (TEQ)	Y	Y*	J qualified results represent ≤10%; EMPC values not included. (NOTE: blank value contribution to TEQs have not been evaluated)

*See the Data Qualifications section below for outliers and qualification of affected data.
† <3X CRQL for OCDD/OCDF
†† 10x for OCDD/OCDF
‡ See NFG HR Superfund Table 15 for individual compound acceptance criteria.
(Note: S/N = Signal to Noise, ISC = Isomer Specificity Check, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference, IAR = Ion Abundance Ratio)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs).

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

CDD/CDF ORGANICS ANALYSIS	
The following samples are not properly diluted when analyte results exceed the upper limit of the calibration range. Detected results are qualified J. Non-detect results are not qualified.	
OCDD	PJLTT8, PJLTW8
Target Analyte Quantitation Qualification Summary	
The following samples have results reported below the quantitation limit (CRQL). Detects are qualified JQ. Nondetects are qualified UJ at the EDL/MDL.	
2,3,7,8-TCDD	PJLTT4, PJLTT8, PJLTW0, PJLTW2, PJLTW7, PJLTW9, PJLTX0, PJLTX7, PJLTY0, PJLTY2
1,2,3,7,8-PeCDD	PJLTT4, PJLTT8, PJLTW0, PJLTW2, PJLTW6, PJLTW7, PJLTW8, PJLTW9, PJLTX0, PJLTX1, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1, PJLTY2
1,2,3,4,7,8-HxCDD	PJLTT4, PJLTT8, PJLTW0, PJLTW2, PJLTW6, PJLTW7, PJLTW9, PJLTX0, PJLTX1, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1
1,2,3,6,7,8-HxCDD	PJLTT4, PJLTW0, PJLTW2, PJLTW7, PJLTW9, PJLTX0, PJLTX1, PJLTX2, PJLTX8, PJLTX9, PJLTY1, PJLTY2
1,2,3,7,8,9-HxCDD	PJLTT4, PJLTW0, PJLTW2, PJLTW4, PJLTW7, PJLTW9, PJLTX0, PJLTX1, PJLTX8, PJLTX9, PJLTY0, PJLTY1
1,2,3,4,6,7,8-HpCDD	PJLTT3, PJLTW4, PJLTW5
OCDD	PJLTT3, PJLTT5, PJLTW5
2,3,7,8-TCDF	PJLTT4, PJLTT8, PJLTW0, PJLTW6, PJLTW7, PJLTW8, PJLTX0, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1, PJLTY2
1,2,3,7,8-PeCDF	PJLTT8, PJLTW6, PJLTW8, PJLTX7, PJLTX9, PJLTY0, PJLTY1
2,3,4,7,8-PeCDF	PJLTT4, PJLTT8, PJLTW0, PJLTW6, PJLTW7, PJLTW8, PJLTX0, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1, PJLTY2
1,2,3,4,7,8-HxCDF	PJLTT4, PJLTT8, PJLTW0, PJLTW2, PJLTW7, PJLTW9, PJLTX0, PJLTX1, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1
1,2,3,6,7,8-HxCDF	PJLTT4, PJLTT8, PJLTW0, PJLTW6, PJLTW7, PJLTW8, PJLTW9, PJLTX7, PJLTX9, PJLTY0, PJLTY1
1,2,3,7,8,9-HxCDF	PJLTT8, PJLTW0, PJLTW6, PJLTW7, PJLTW8, PJLTW9, PJLTX7, PJLTX9, PJLTY0, PJLTY1
2,3,4,6,7,8-HxCDF	PJLTT4, PJLTT8, PJLTW0, PJLTW2, PJLTW6, PJLTW7, PJLTW9, PJLTX0, PJLTX1, PJLTX7, PJLTX9, PJLTY0, PJLTY1
1,2,3,4,6,7,8-HpCDF	PJLTW4, PJLTX2, PJLTY2
1,2,3,4,7,8,9-HpCDF	PJLTT4, PJLTT8, PJLTW0, PJLTW2, PJLTW6, PJLTW7, PJLTW9, PJLTX0, PJLTX1, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1

Manual/Electronic Data Review Results

OCDF	PJLTW4, PJLTY2
Homologue totals are reported for all samples. Detects are qualified J. Nondetects are qualified UJ.	
Total TCDD Total PeCDD Total HxCDD Total HpCDD Total TCDF Total PeCDF Total HxCDF Total HpCDF	PJLTT3, PJLTT4, PJLTT5, PJLTT8, PJLTW0, PJLTW2, PJLTW4, PJLTW5, PJLTW6, PJLTW7, PJLTW8, PJLTW9, PJLTX0, PJLTX1, PJLTX2, PJLTX7, PJLTX8, PJLTX9, PJLTY0, PJLTY1, PJLTY2

Data Validation Report
Analytical Sample Listing

Thu, 22 Oct 2020 17:31:06

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW16006/PJLTT3

Lab Name: Frontier Analytical Laboratory

Submission Group Id: 32025457

Organization: EPA Region 10

SOW: HRSM01.2

Method - Dioxin

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
PJLTW5	FS	Soil		09/10/2020 12:59:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 22:55:06	DB5MS	FAL4
PJLTW4	FS	Soil		09/10/2020 13:06:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 22:00:11	DB5MS	FAL4
PJLTW7	FS	Soil		09/10/2020 14:07:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 18:08:07	007-225	FAL3
								SDS	09/29/2020 16:00:00	Initial	10/10/2020 13:03:10	DB5MS	FAL4
PJLTW6	FS	Soil		09/10/2020 14:15:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/10/2020 12:08:15	DB5MS	FAL4
								SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 17:21:41	007-225	FAL3
PJLTW9	FS	Soil		09/10/2020 14:41:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/10/2020 14:53:03	DB5MS	FAL4
PJLTW8	FS	Soil		09/10/2020 14:53:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/10/2020 13:58:07	DB5MS	FAL4
								SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 18:54:32	007-225	FAL3
PJLTX1	FS	Soil		09/10/2020 15:18:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/10/2020 16:42:53	DB5MS	FAL4
PJLTX0	FS	Soil		09/10/2020 15:29:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/10/2020 15:47:58	DB5MS	FAL4
								SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 19:40:57	007-225	FAL3
PJLTX2	FS	Soil		09/10/2020 17:21:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/10/2020 17:37:49	DB5MS	FAL4
PJLTT3	FS	Soil		09/11/2020 12:37:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 16:30:44	DB5MS	FAL4
PJLTT8	FS	Soil		09/11/2020 13:40:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Confirmation	10/08/2020 15:48:48	007-225	FAL3
								SDS	09/28/2020 16:00:00	Initial	10/07/2020 19:15:25	DB5MS	FAL4
PJLTT4	FS	Soil		09/12/2020 08:52:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 17:25:38	DB5MS	FAL4
								SDS	09/28/2020	Confirmation	10/08/2020	007-225	FAL3

Data Validation Report
Analytical Sample Listing

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW16006/PJLTT3

Lab Name: Frontier Analytical Laboratory

Submission Group Id: 32025457

Organization: EPA Region 10

SOW: HRSM01.2

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
									16:00:00		15:02:22		
PJLTX7	FS	Soil		09/12/2020 09:06:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/05/2020 19:39:39	DB5MS	FAL3
								SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 20:27:21	007-225	FAL3
PJLTT5	FS	Soil		09/12/2020 09:38:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 18:20:31	DB5MS	FAL4
PJLTX8	FS	Soil		09/12/2020 09:40:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 21:13:47	007-225	FAL3
								SDS	09/29/2020 16:00:00	Initial	10/05/2020 20:34:28	DB5MS	FAL3
PJLTW0	FS	Soil		09/12/2020 10:10:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 20:10:20	DB5MS	FAL4
								SDS	09/28/2020 16:00:00	Confirmation	10/08/2020 16:35:13	007-225	FAL3
PJLTW2	FS	Soil		09/12/2020 10:44:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/07/2020 21:05:16	DB5MS	FAL4
PJLTY2	FS	Soil		09/12/2020 11:48:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 23:33:01	007-225	FAL3
								SDS	09/29/2020 16:00:00	Initial	10/06/2020 00:13:56	DB5MS	FAL3
PJLTX9	FS	Soil		09/12/2020 13:13:00	09/17/2020 09:50:00			SDS	10/14/2020 16:00:00	Initial	10/16/2020 18:57:25	DB5MS	FAL3
								SDS	10/14/2020 16:00:00	Confirmation	10/19/2020 17:26:21	007-225	FAL3
PJLTY0	FS	Soil		09/12/2020 13:28:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/05/2020 22:24:10	DB5MS	FAL3
								SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 22:00:12	007-225	FAL3
PJLTY1	FS	Soil		09/12/2020 13:38:00	09/17/2020 09:50:00			SDS	09/29/2020 16:00:00	Initial	10/05/2020 23:19:03	DB5MS	FAL3
								SDS	09/29/2020 16:00:00	Confirmation	10/08/2020 22:46:37	007-225	FAL3

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK60	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	0.91	U	ng/kg	0.91	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK61	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	0.98	U	ng/kg	0.98	U	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK84	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.29	U	ng/kg	0.29	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.52	U	ng/kg	0.52	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.60	U	ng/kg	0.60	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.55	U	ng/kg	0.55	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.56	U	ng/kg	0.56	UM	1.0	YES	S4VEM
OCDD	Target	1.1	U	ng/kg	1.1	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.081	U	ng/kg	0.081	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.30	U	ng/kg	0.30	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.31	U	ng/kg	0.31	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.37	U	ng/kg	0.37	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.36	U	ng/kg	0.36	UM	1.0	YES	S4VEM
OCDF	Target	0.71	U	ng/kg	0.71	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS60	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	23		ng/kg	23		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
OCDD	Spike	210		ng/kg	210		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	96		ng/kg	96		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	92		ng/kg	92		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	110		ng/kg	110		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	98		ng/kg	98		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS61	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	91		ng/kg	91		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	92		ng/kg	92		1.0	YES	S4VEM
OCDD	Spike	180		ng/kg	180		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	83		ng/kg	83		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	81		ng/kg	81		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	91		ng/kg	91		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	85		ng/kg	85		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	87		ng/kg	87		1.0	YES	S4VEM
OCDF	Spike	180		ng/kg	180		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS84	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	22		ng/kg	22		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDD	Spike	200		ng/kg	200		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	22		ng/kg	22		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	110		ng/kg	110		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	98		ng/kg	98		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	99		ng/kg	99		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	97		ng/kg	97		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	200		ng/kg	200		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD60	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	23		ng/kg	23		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
OCDD	Spike	210		ng/kg	210		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	91		ng/kg	91		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD61	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	19		ng/kg	19		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	88		ng/kg	88		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	87		ng/kg	87		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	90		ng/kg	90		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	87		ng/kg	87		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	89		ng/kg	89		1.0	YES	S4VEM
OCDD	Spike	180		ng/kg	180		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	81		ng/kg	81		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	81		ng/kg	81		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	86		ng/kg	86		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	86		ng/kg	86		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	89		ng/kg	89		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	88		ng/kg	88		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	83		ng/kg	83		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	83		ng/kg	83		1.0	YES	S4VEM
OCDF	Spike	170		ng/kg	170		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD84	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	23		ng/kg	23		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
OCDD	Spike	220		ng/kg	220		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	22		ng/kg	22		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	110		ng/kg	110		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT3	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL17GP02	pH:	Sample Date: 09/11/2020	Sample Time: 12:37:00
% Moisture:		% Solids: 94.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.083	U	ng/kg	0.083	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.49	U	ng/kg	0.49	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.48	JQ	ng/kg	0.48	J	1.0	YES	S4VEM
OCDD	Target	4.5	JQ	ng/kg	4.5	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.37	U	ng/kg	0.37	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.42	U	ng/kg	0.42	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.39	U	ng/kg	0.39	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDF	Target	0.86	U	ng/kg	0.86	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	1.2	J	ng/kg	1.2	J	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0062	J	ng/kg	0.0062		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.00093	J	ng/kg	0.00093		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.00093	J	ng/kg	0.00093		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT4	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL18GP01	pH:	Sample Date: 09/12/2020	Sample Time: 08:52:00
% Moisture:		% Solids: 82.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.20	JQ	ng/kg	0.20	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.41	JQ	ng/kg	0.41	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.68	JQ	ng/kg	0.68	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	JQ	ng/kg	2.2	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.4	JQ	ng/kg	1.4	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	53		ng/kg	53		1.0	YES	S4VEM
OCDD	Target	490		ng/kg	490		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.39	JQ	ng/kg	0.39	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.60	JQ	ng/kg	0.60	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.83	JQ	ng/kg	0.83	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.53	JQ	ng/kg	0.53	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.79	JQ	ng/kg	0.79	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	8.1		ng/kg	8.1		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.74	JQ	ng/kg	0.74	J	1.0	YES	S4VEM
OCDF	Target	25		ng/kg	25		1.0	YES	S4VEM
Total TCDD	Derived	2.8	J	ng/kg	2.8	J	1.0	YES	S4VEM
Total PeCDD	Derived	3.7	J	ng/kg	3.7	J	1.0	YES	S4VEM
Total HxCDD	Derived	19	J	ng/kg	19	J	1.0	YES	S4VEM
Total HpCDD	Derived	92	J	ng/kg	92	J	1.0	YES	S4VEM
Total TCDF	Derived	8.2	J	ng/kg	8.2	J	1.0	YES	S4VEM
Total PeCDF	Derived	6.4	J	ng/kg	6.4	J	1.0	YES	S4VEM
Total HxCDF	Derived	15	J	ng/kg	15	J	1.0	YES	S4VEM
Total HpCDF	Derived	30	J	ng/kg	30	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	2.2	J	ng/kg	2.2		1.0	YES	S4VEM
TEQ (Bird)	Derived	2.2	J	ng/kg	2.2		1.0	YES	S4VEM
TEQ (Fish)	Derived	1.7	J	ng/kg	1.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT5	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL18GP02	pH:	Sample Date: 09/12/2020	Sample Time: 09:38:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	4.3	JQ	ng/kg	4.3	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived	0.45	J	ng/kg	0.45	J	1.0	YES	S4VEM
Total HxCDD	Derived	0.49	J	ng/kg	0.49	J	1.0	YES	S4VEM
Total HpCDD	Derived	0.58	J	ng/kg	0.58	J	1.0	YES	S4VEM
Total TCDF	Derived	1.8	J	ng/kg	1.8	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0013	J	ng/kg	0.0013		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.00043	J	ng/kg	0.00043		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.00043	J	ng/kg	0.00043		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT8	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL20GP01	pH:	Sample Date: 09/11/2020	Sample Time: 13:40:00
% Moisture:		% Solids: 85.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.84	JQ	ng/kg	0.84	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	2.2	JQ	ng/kg	2.2	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	3.7	JQ	ng/kg	3.7	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	13		ng/kg	13		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	7.3		ng/kg	7.3		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	450		ng/kg	450		1.0	YES	S4VEM
OCDD	Target	4700	J	ng/kg	4700	E	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.45	JQ	ng/kg	0.45	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.62	JQ	ng/kg	0.62	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	1.3	JQ	ng/kg	1.3	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	2.9	JQ	ng/kg	2.9	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	1.7	JQ	ng/kg	1.7	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.89	JQ	ng/kg	0.89	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	2.7	JQ	ng/kg	2.7	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	55		ng/kg	55		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	JQ	ng/kg	3.5	J	1.0	YES	S4VEM
OCDF	Target	220		ng/kg	220		1.0	YES	S4VEM
Total TCDD	Derived	9.7	J	ng/kg	9.7	J	1.0	YES	S4VEM
Total PeCDD	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total HxCDD	Derived	90	J	ng/kg	90	J	1.0	YES	S4VEM
Total HpCDD	Derived	780	J	ng/kg	780	J	1.0	YES	S4VEM
Total TCDF	Derived	9.8	J	ng/kg	9.8	J	1.0	YES	S4VEM
Total PeCDF	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total HxCDF	Derived	69	J	ng/kg	69	J	1.0	YES	S4VEM
Total HpCDF	Derived	200	J	ng/kg	200	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	13	J	ng/kg	13		1.0	YES	S4VEM
TEQ (Bird)	Derived	8.2	J	ng/kg	8.2		1.0	YES	S4VEM
TEQ (Fish)	Derived	8.2	J	ng/kg	8.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW0	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL21GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:10:00
% Moisture:		% Solids: 82.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.23	JQ	ng/kg	0.23	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.63	JQ	ng/kg	0.63	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.0	JQ	ng/kg	1.0	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	3.0	JQ	ng/kg	3.0	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.9	JQ	ng/kg	1.9	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	70		ng/kg	70		1.0	YES	S4VEM
OCDD	Target	680		ng/kg	680		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.20	JQ	ng/kg	0.20	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.54	JQ	ng/kg	0.54	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	1.0	JQ	ng/kg	1.0	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.59	JQ	ng/kg	0.59	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.48	JQ	ng/kg	0.48	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.80	JQ	ng/kg	0.80	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	13		ng/kg	13		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.95	JQ	ng/kg	0.95	J	1.0	YES	S4VEM
OCDF	Target	41		ng/kg	41		1.0	YES	S4VEM
Total TCDD	Derived	2.2	J	ng/kg	2.2	J	1.0	YES	S4VEM
Total PeCDD	Derived	3.4	J	ng/kg	3.4	J	1.0	YES	S4VEM
Total HxCDD	Derived	22	J	ng/kg	22	J	1.0	YES	S4VEM
Total HpCDD	Derived	130	J	ng/kg	130	J	1.0	YES	S4VEM
Total TCDF	Derived	5.4	J	ng/kg	5.4	J	1.0	YES	S4VEM
Total PeCDF	Derived	5.0	J	ng/kg	5.0	J	1.0	YES	S4VEM
Total HxCDF	Derived	20	J	ng/kg	20	J	1.0	YES	S4VEM
Total HpCDF	Derived	42	J	ng/kg	42	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	3.0	J	ng/kg	3.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	2.4	J	ng/kg	2.4		1.0	YES	S4VEM
TEQ (Fish)	Derived	2.3	J	ng/kg	2.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW2	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL22GP01	pH:	Sample Date: 09/12/2020	Sample Time: 10:44:00
% Moisture:		% Solids: 78.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.28	JQ	ng/kg	0.28	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.41	JQ	ng/kg	0.41	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.66	JQ	ng/kg	0.66	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.3	JQ	ng/kg	2.3	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.8	JQ	ng/kg	1.8	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	55		ng/kg	55		1.0	YES	S4VEM
OCDD	Target	410		ng/kg	410		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.13	U	ng/kg	0.13	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.47	JQ	ng/kg	0.47	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.61	JQ	ng/kg	0.61	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	7.3		ng/kg	7.3		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.50	JQ	ng/kg	0.50	J	1.0	YES	S4VEM
OCDF	Target	29		ng/kg	29		1.0	YES	S4VEM
Total TCDD	Derived	3.0	J	ng/kg	3.0	J	1.0	YES	S4VEM
Total PeCDD	Derived	3.4	J	ng/kg	3.4	J	1.0	YES	S4VEM
Total HxCDD	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total HpCDD	Derived	94	J	ng/kg	94	J	1.0	YES	S4VEM
Total TCDF	Derived	4.2	J	ng/kg	4.2	J	1.0	YES	S4VEM
Total PeCDF	Derived	3.0	J	ng/kg	3.0	J	1.0	YES	S4VEM
Total HxCDF	Derived	8.9	J	ng/kg	8.9	J	1.0	YES	S4VEM
Total HpCDF	Derived	26	J	ng/kg	26	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	2.0	J	ng/kg	2.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	1.2	J	ng/kg	1.2		1.0	YES	S4VEM
TEQ (Fish)	Derived	1.3	J	ng/kg	1.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW4	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL23TP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:06:00
% Moisture:		% Solids: 74.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.36	JQ	ng/kg	0.36	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	3.2	JQ	ng/kg	3.2	J	1.0	YES	S4VEM
OCDD	Target	20		ng/kg	20		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.50	JQ	ng/kg	0.50	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	1.4	JQ	ng/kg	1.4	J	1.0	YES	S4VEM
Total TCDD	Derived	0.26	J	ng/kg	0.26	J	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived	1.7	J	ng/kg	1.7	J	1.0	YES	S4VEM
Total HpCDD	Derived	5.2	J	ng/kg	5.2	J	1.0	YES	S4VEM
Total TCDF	Derived	1.5	J	ng/kg	1.5	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	1.4	J	ng/kg	1.4	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.079	J	ng/kg	0.079		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.046	J	ng/kg	0.046		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.014	J	ng/kg	0.014		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW5	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL23TP02	pH:	Sample Date: 09/10/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 81.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.096	U	ng/kg	0.096	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.92	JQ	ng/kg	0.92	J	1.0	YES	S4VEM
OCDD	Target	5.7	JQ	ng/kg	5.7	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived	1.1	J	ng/kg	1.1	J	1.0	YES	S4VEM
Total PeCDD	Derived	4.9	J	ng/kg	4.9	J	1.0	YES	S4VEM
Total HxCDD	Derived	2.4	J	ng/kg	2.4	J	1.0	YES	S4VEM
Total HpCDD	Derived	1.7	J	ng/kg	1.7	J	1.0	YES	S4VEM
Total TCDF	Derived	8.8	J	ng/kg	8.8	J	1.0	YES	S4VEM
Total PeCDF	Derived	0.93	J	ng/kg	0.93	J	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.011	J	ng/kg	0.011		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0015	J	ng/kg	0.0015		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0015	J	ng/kg	0.0015		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW6	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL24TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:15:00
% Moisture:		% Solids: 80.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.2		ng/kg	1.2		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	2.7	JQ	ng/kg	2.7	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	11		ng/kg	11		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	5.2		ng/kg	5.2		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	220		ng/kg	220		1.0	YES	S4VEM
OCDD	Target	2400		ng/kg	2400		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.33	JQ	ng/kg	0.33	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.85	JQ	ng/kg	0.85	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	2.2	JQ	ng/kg	2.2	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	5.9		ng/kg	5.9		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	JQ	ng/kg	2.7	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	2.1	JQ	ng/kg	2.1	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	4.2	JQ	ng/kg	4.2	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	59		ng/kg	59		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	4.4	JQ	ng/kg	4.4	J	1.0	YES	S4VEM
OCDF	Target	130		ng/kg	130		1.0	YES	S4VEM
Total TCDD	Derived	4.4	J	ng/kg	4.4	J	1.0	YES	S4VEM
Total PeCDD	Derived	14	J	ng/kg	14	J	1.0	YES	S4VEM
Total HxCDD	Derived	72	J	ng/kg	72	J	1.0	YES	S4VEM
Total HpCDD	Derived	360	J	ng/kg	360	J	1.0	YES	S4VEM
Total TCDF	Derived	11	J	ng/kg	11	J	1.0	YES	S4VEM
Total PeCDF	Derived	40	J	ng/kg	40	J	1.0	YES	S4VEM
Total HxCDF	Derived	120	J	ng/kg	120	J	1.0	YES	S4VEM
Total HpCDF	Derived	200	J	ng/kg	200	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	10	J	ng/kg	10		1.0	YES	S4VEM
TEQ (Bird)	Derived	8.7	J	ng/kg	8.7		1.0	YES	S4VEM
TEQ (Fish)	Derived	8.0	J	ng/kg	8.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW7	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL24TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:07:00
% Moisture:		% Solids: 77.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.82	JQ	ng/kg	0.82	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.87	JQ	ng/kg	0.87	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.3	JQ	ng/kg	1.3	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	4.8	JQ	ng/kg	4.8	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.7	JQ	ng/kg	2.7	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	100		ng/kg	100		1.0	YES	S4VEM
OCDD	Target	920		ng/kg	920		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.23	JQ	ng/kg	0.23	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.68	JQ	ng/kg	0.68	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	1.8	JQ	ng/kg	1.8	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.86	JQ	ng/kg	0.86	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.58	JQ	ng/kg	0.58	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	1.4	JQ	ng/kg	1.4	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	21		ng/kg	21		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	1.4	JQ	ng/kg	1.4	J	1.0	YES	S4VEM
OCDF	Target	54		ng/kg	54		1.0	YES	S4VEM
Total TCDD	Derived	8.4	J	ng/kg	8.4	J	1.0	YES	S4VEM
Total PeCDD	Derived	6.8	J	ng/kg	6.8	J	1.0	YES	S4VEM
Total HxCDD	Derived	34	J	ng/kg	34	J	1.0	YES	S4VEM
Total HpCDD	Derived	170	J	ng/kg	170	J	1.0	YES	S4VEM
Total TCDF	Derived	5.8	J	ng/kg	5.8	J	1.0	YES	S4VEM
Total PeCDF	Derived	12	J	ng/kg	12	J	1.0	YES	S4VEM
Total HxCDF	Derived	37	J	ng/kg	37	J	1.0	YES	S4VEM
Total HpCDF	Derived	72	J	ng/kg	72	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	4.8	J	ng/kg	4.8		1.0	YES	S4VEM
TEQ (Bird)	Derived	3.9	J	ng/kg	3.9		1.0	YES	S4VEM
TEQ (Fish)	Derived	3.7	J	ng/kg	3.7		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW8	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL25TP01	pH:	Sample Date: 09/10/2020	Sample Time: 14:53:00
% Moisture:		% Solids: 86.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	2.4		ng/kg	2.4		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	2.9	JQ	ng/kg	2.9	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	5.2		ng/kg	5.2		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	20		ng/kg	20		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	14		ng/kg	14		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	400		ng/kg	400		1.0	YES	S4VEM
OCDD	Target	4500	J	ng/kg	4500	E	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.69	JQ	ng/kg	0.69	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	1.6	JQ	ng/kg	1.6	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.9	JQ	ng/kg	3.9	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	12		ng/kg	12		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	4.8	JQ	ng/kg	4.8	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.5	JQ	ng/kg	3.5	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	6.5		ng/kg	6.5		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	89		ng/kg	89		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	7.7		ng/kg	7.7		1.0	YES	S4VEM
OCDF	Target	200		ng/kg	200		1.0	YES	S4VEM
Total TCDD	Derived	6.7	J	ng/kg	6.7	J	1.0	YES	S4VEM
Total PeCDD	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total HxCDD	Derived	140	J	ng/kg	140	J	1.0	YES	S4VEM
Total HpCDD	Derived	640	J	ng/kg	640	J	1.0	YES	S4VEM
Total TCDF	Derived	12	J	ng/kg	12	J	1.0	YES	S4VEM
Total PeCDF	Derived	23	J	ng/kg	23	J	1.0	YES	S4VEM
Total HxCDF	Derived	130	J	ng/kg	130	J	1.0	YES	S4VEM
Total HpCDF	Derived	300	J	ng/kg	300	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	20	J	ng/kg	20		1.0	YES	S4VEM
TEQ (Bird)	Derived	16	J	ng/kg	16		1.0	YES	S4VEM
TEQ (Fish)	Derived	15	J	ng/kg	15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTW9	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL25TP02	pH:	Sample Date: 09/10/2020	Sample Time: 14:41:00
% Moisture:		% Solids: 54.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.24	JQ	ng/kg	0.24	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.49	JQ	ng/kg	0.49	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.88	JQ	ng/kg	0.88	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	4.2	JQ	ng/kg	4.2	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.4	JQ	ng/kg	2.4	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	140		ng/kg	140		1.0	YES	S4VEM
OCDD	Target	820		ng/kg	820		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.87	JQ	ng/kg	0.87	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.70	JQ	ng/kg	0.70	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.46	JQ	ng/kg	0.46	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	1.9	JQ	ng/kg	1.9	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	24		ng/kg	24		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.1	JQ	ng/kg	2.1	J	1.0	YES	S4VEM
OCDF	Target	100		ng/kg	100		1.0	YES	S4VEM
Total TCDD	Derived	2.6	J	ng/kg	2.6	J	1.0	YES	S4VEM
Total PeCDD	Derived	6.6	J	ng/kg	6.6	J	1.0	YES	S4VEM
Total HxCDD	Derived	37	J	ng/kg	37	J	1.0	YES	S4VEM
Total HpCDD	Derived	230	J	ng/kg	230	J	1.0	YES	S4VEM
Total TCDF	Derived	6.9	J	ng/kg	6.9	J	1.0	YES	S4VEM
Total PeCDF	Derived	7.3	J	ng/kg	7.3	J	1.0	YES	S4VEM
Total HxCDF	Derived	36	J	ng/kg	36	J	1.0	YES	S4VEM
Total HpCDF	Derived	98	J	ng/kg	98	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	3.8	J	ng/kg	3.8		1.0	YES	S4VEM
TEQ (Bird)	Derived	1.9	J	ng/kg	1.9		1.0	YES	S4VEM
TEQ (Fish)	Derived	2.1	J	ng/kg	2.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX0	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL26TP01	pH:	Sample Date: 09/10/2020	Sample Time: 15:29:00
% Moisture:		% Solids: 82.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.22	JQ	ng/kg	0.22	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.40	JQ	ng/kg	0.40	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.60	JQ	ng/kg	0.60	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.1	JQ	ng/kg	2.1	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.4	JQ	ng/kg	1.4	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	59		ng/kg	59		1.0	YES	S4VEM
OCDD	Target	370		ng/kg	370		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.17	JQ	ng/kg	0.17	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.45	JQ	ng/kg	0.45	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.46	JQ	ng/kg	0.46	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.49	JQ	ng/kg	0.49	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	8.3		ng/kg	8.3		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.55	JQ	ng/kg	0.55	J	1.0	YES	S4VEM
OCDF	Target	32		ng/kg	32		1.0	YES	S4VEM
Total TCDD	Derived	2.8	J	ng/kg	2.8	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.5	J	ng/kg	2.5	J	1.0	YES	S4VEM
Total HxCDD	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total HpCDD	Derived	110	J	ng/kg	110	J	1.0	YES	S4VEM
Total TCDF	Derived	6.2	J	ng/kg	6.2	J	1.0	YES	S4VEM
Total PeCDF	Derived	6.4	J	ng/kg	6.4	J	1.0	YES	S4VEM
Total HxCDF	Derived	9.8	J	ng/kg	9.8	J	1.0	YES	S4VEM
Total HpCDF	Derived	28	J	ng/kg	28	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	2.1	J	ng/kg	2.1		1.0	YES	S4VEM
TEQ (Bird)	Derived	1.7	J	ng/kg	1.7		1.0	YES	S4VEM
TEQ (Fish)	Derived	1.5	J	ng/kg	1.5		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX1	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL26TP02	pH:	Sample Date: 09/10/2020	Sample Time: 15:18:00
% Moisture:		% Solids: 81.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.098	U	ng/kg	0.098	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.44	JQ	ng/kg	0.44	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.1	JQ	ng/kg	1.1	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	3.6	JQ	ng/kg	3.6	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	90		ng/kg	90		1.0	YES	S4VEM
OCDD	Target	870		ng/kg	870		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.43	JQ	ng/kg	0.43	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.69	JQ	ng/kg	0.69	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	16		ng/kg	16		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	1.1	JQ	ng/kg	1.1	J	1.0	YES	S4VEM
OCDF	Target	78		ng/kg	78		1.0	YES	S4VEM
Total TCDD	Derived	3.5	J	ng/kg	3.5	J	1.0	YES	S4VEM
Total PeCDD	Derived	6.0	J	ng/kg	6.0	J	1.0	YES	S4VEM
Total HxCDD	Derived	24	J	ng/kg	24	J	1.0	YES	S4VEM
Total HpCDD	Derived	160	J	ng/kg	160	J	1.0	YES	S4VEM
Total TCDF	Derived	6.4	J	ng/kg	6.4	J	1.0	YES	S4VEM
Total PeCDF	Derived	3.5	J	ng/kg	3.5	J	1.0	YES	S4VEM
Total HxCDF	Derived	15	J	ng/kg	15	J	1.0	YES	S4VEM
Total HpCDF	Derived	61	J	ng/kg	61	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	2.5	J	ng/kg	2.5		1.0	YES	S4VEM
TEQ (Bird)	Derived	1.1	J	ng/kg	1.1		1.0	YES	S4VEM
TEQ (Fish)	Derived	1.5	J	ng/kg	1.5		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX2	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL27TP01	pH:	Sample Date: 09/10/2020	Sample Time: 17:21:00
% Moisture:		% Solids: 79.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.092	U	ng/kg	0.092	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.33	U	ng/kg	0.33	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.52	JQ	ng/kg	0.52	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.32	U	ng/kg	0.32	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	11		ng/kg	11		1.0	YES	S4VEM
OCDD	Target	100		ng/kg	100		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.10	U	ng/kg	0.10	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.37	U	ng/kg	0.37	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	4.6	JQ	ng/kg	4.6	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
OCDF	Target	16		ng/kg	16		1.0	YES	S4VEM
Total TCDD	Derived	1.3	J	ng/kg	1.3	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.8	J	ng/kg	2.8	J	1.0	YES	S4VEM
Total HxCDD	Derived	4.0	J	ng/kg	4.0	J	1.0	YES	S4VEM
Total HpCDD	Derived	18	J	ng/kg	18	J	1.0	YES	S4VEM
Total TCDF	Derived	4.9	J	ng/kg	4.9	J	1.0	YES	S4VEM
Total PeCDF	Derived	2.0	J	ng/kg	2.0	J	1.0	YES	S4VEM
Total HxCDF	Derived	7.3	J	ng/kg	7.3	J	1.0	YES	S4VEM
Total HpCDF	Derived	19	J	ng/kg	19	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.24	J	ng/kg	0.24		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.074	J	ng/kg	0.074		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.074	J	ng/kg	0.074		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX7	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD04SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:06:00
% Moisture:		% Solids: 18.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.99	JQ	ng/kg	0.99	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	1.0	JQ	ng/kg	1.0	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.8	JQ	ng/kg	1.8	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	5.2		ng/kg	5.2		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	5.4		ng/kg	5.4		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	100		ng/kg	100		1.0	YES	S4VEM
OCDD	Target	870		ng/kg	870		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.63	JQ	ng/kg	0.63	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.75	JQ	ng/kg	0.75	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	1.4	JQ	ng/kg	1.4	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	2.3	JQ	ng/kg	2.3	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	1.6	JQ	ng/kg	1.6	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.77	JQ	ng/kg	0.77	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	1.8	JQ	ng/kg	1.8	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	26		ng/kg	26		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	1.8	JQ	ng/kg	1.8	J	1.0	YES	S4VEM
OCDF	Target	68		ng/kg	68		1.0	YES	S4VEM
Total TCDD	Derived	6.9	J	ng/kg	6.9	J	1.0	YES	S4VEM
Total PeCDD	Derived	11	J	ng/kg	11	J	1.0	YES	S4VEM
Total HxCDD	Derived	46	J	ng/kg	46	J	1.0	YES	S4VEM
Total HpCDD	Derived	180	J	ng/kg	180	J	1.0	YES	S4VEM
Total TCDF	Derived	12	J	ng/kg	12	J	1.0	YES	S4VEM
Total PeCDF	Derived	8.3	J	ng/kg	8.3	J	1.0	YES	S4VEM
Total HxCDF	Derived	28	J	ng/kg	28	J	1.0	YES	S4VEM
Total HpCDF	Derived	73	J	ng/kg	73	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	5.9	J	ng/kg	5.9		1.0	YES	S4VEM
TEQ (Bird)	Derived	5.9	J	ng/kg	5.9		1.0	YES	S4VEM
TEQ (Fish)	Derived	4.9	J	ng/kg	4.9		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX8	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD05SD	pH:	Sample Date: 09/12/2020	Sample Time: 09:40:00
% Moisture:		% Solids: 67.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1		ng/kg	1.1		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.38	JQ	ng/kg	0.38	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.59	JQ	ng/kg	0.59	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.4	JQ	ng/kg	2.4	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.8	JQ	ng/kg	1.8	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	43		ng/kg	43		1.0	YES	S4VEM
OCDD	Target	410		ng/kg	410		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.20	JQ	ng/kg	0.20	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.30	U	ng/kg	0.30	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.31	JQ	ng/kg	0.31	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.66	JQ	ng/kg	0.66	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.37	U	ng/kg	0.37	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	9.3		ng/kg	9.3		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.72	JQ	ng/kg	0.72	J	1.0	YES	S4VEM
OCDF	Target	35		ng/kg	35		1.0	YES	S4VEM
Total TCDD	Derived	2.5	J	ng/kg	2.5	J	1.0	YES	S4VEM
Total PeCDD	Derived	2.6	J	ng/kg	2.6	J	1.0	YES	S4VEM
Total HxCDD	Derived	17	J	ng/kg	17	J	1.0	YES	S4VEM
Total HpCDD	Derived	74	J	ng/kg	74	J	1.0	YES	S4VEM
Total TCDF	Derived	2.2	J	ng/kg	2.2	J	1.0	YES	S4VEM
Total PeCDF	Derived	0.88	J	ng/kg	0.88	J	1.0	YES	S4VEM
Total HxCDF	Derived	6.8	J	ng/kg	6.8	J	1.0	YES	S4VEM
Total HpCDF	Derived	31	J	ng/kg	31	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	2.8	J	ng/kg	2.8		1.0	YES	S4VEM
TEQ (Bird)	Derived	2.5	J	ng/kg	2.5		1.0	YES	S4VEM
TEQ (Fish)	Derived	2.2	J	ng/kg	2.2		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTX9	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD06SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:13:00
% Moisture:		% Solids: 26.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	3.6		ng/kg	3.6		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.61	JQ	ng/kg	0.61	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.75	JQ	ng/kg	0.75	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.4	JQ	ng/kg	2.4	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.3	JQ	ng/kg	1.3	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	44		ng/kg	44		1.0	YES	S4VEM
OCDD	Target	330		ng/kg	330		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.35	JQ	ng/kg	0.35	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.42	JQ	ng/kg	0.42	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.86	JQ	ng/kg	0.86	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	1.0	JQ	ng/kg	1.0	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.76	JQ	ng/kg	0.76	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.49	JQ	ng/kg	0.49	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.97	JQ	ng/kg	0.97	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	12		ng/kg	12		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.79	JQ	ng/kg	0.79	J	1.0	YES	S4VEM
OCDF	Target	30		ng/kg	30		1.0	YES	S4VEM
Total TCDD	Derived	9.9	J	ng/kg	9.9	J	1.0	YES	S4VEM
Total PeCDD	Derived	9.2	J	ng/kg	9.2	J	1.0	YES	S4VEM
Total HxCDD	Derived	20	J	ng/kg	20	J	1.0	YES	S4VEM
Total HpCDD	Derived	77	J	ng/kg	77	J	1.0	YES	S4VEM
Total TCDF	Derived	14	J	ng/kg	14	J	1.0	YES	S4VEM
Total PeCDF	Derived	10	J	ng/kg	10	J	1.0	YES	S4VEM
Total HxCDF	Derived	22	J	ng/kg	22	J	1.0	YES	S4VEM
Total HpCDF	Derived	36	J	ng/kg	36	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	6.0	J	ng/kg	6.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	6.2	J	ng/kg	6.2		1.0	YES	S4VEM
TEQ (Fish)	Derived	5.6	J	ng/kg	5.6		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTY0	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD07SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:28:00
% Moisture:		% Solids: 22.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.88	JQ	ng/kg	0.88	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.78	JQ	ng/kg	0.78	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	6.0		ng/kg	6.0		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.9	JQ	ng/kg	2.9	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	100		ng/kg	100		1.0	YES	S4VEM
OCDD	Target	720		ng/kg	720		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.48	JQ	ng/kg	0.48	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.53	JQ	ng/kg	0.53	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	1.2	JQ	ng/kg	1.2	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	1.9	JQ	ng/kg	1.9	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	1.2	JQ	ng/kg	1.2	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.76	JQ	ng/kg	0.76	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	1.6	JQ	ng/kg	1.6	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	23		ng/kg	23		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
OCDF	Target	57		ng/kg	57		1.0	YES	S4VEM
Total TCDD	Derived	7.7	J	ng/kg	7.7	J	1.0	YES	S4VEM
Total PeCDD	Derived	11	J	ng/kg	11	J	1.0	YES	S4VEM
Total HxCDD	Derived	37	J	ng/kg	37	J	1.0	YES	S4VEM
Total HpCDD	Derived	170	J	ng/kg	170	J	1.0	YES	S4VEM
Total TCDF	Derived	18	J	ng/kg	18	J	1.0	YES	S4VEM
Total PeCDF	Derived	14	J	ng/kg	14	J	1.0	YES	S4VEM
Total HxCDF	Derived	39	J	ng/kg	39	J	1.0	YES	S4VEM
Total HpCDF	Derived	73	J	ng/kg	73	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	5.1	J	ng/kg	5.1		1.0	YES	S4VEM
TEQ (Bird)	Derived	4.7	J	ng/kg	4.7		1.0	YES	S4VEM
TEQ (Fish)	Derived	4.1	J	ng/kg	4.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTY1	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD08SD	pH:	Sample Date: 09/12/2020	Sample Time: 13:38:00
% Moisture:		% Solids: 18.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.5		ng/kg	1.5		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.75	JQ	ng/kg	0.75	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.2	JQ	ng/kg	1.2	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	3.7	JQ	ng/kg	3.7	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.3	JQ	ng/kg	2.3	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	69		ng/kg	69		1.0	YES	S4VEM
OCDD	Target	550		ng/kg	550		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.49	JQ	ng/kg	0.49	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.42	JQ	ng/kg	0.42	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.83	JQ	ng/kg	0.83	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	1.2	JQ	ng/kg	1.2	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.79	JQ	ng/kg	0.79	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.49	JQ	ng/kg	0.49	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	1.0	JQ	ng/kg	1.0	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	15		ng/kg	15		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	1.0	JQ	ng/kg	1.0	J	1.0	YES	S4VEM
OCDF	Target	39		ng/kg	39		1.0	YES	S4VEM
Total TCDD	Derived	7.0	J	ng/kg	7.0	J	1.0	YES	S4VEM
Total PeCDD	Derived	12	J	ng/kg	12	J	1.0	YES	S4VEM
Total HxCDD	Derived	32	J	ng/kg	32	J	1.0	YES	S4VEM
Total HpCDD	Derived	120	J	ng/kg	120	J	1.0	YES	S4VEM
Total TCDF	Derived	16	J	ng/kg	16	J	1.0	YES	S4VEM
Total PeCDF	Derived	11	J	ng/kg	11	J	1.0	YES	S4VEM
Total HxCDF	Derived	26	J	ng/kg	26	J	1.0	YES	S4VEM
Total HpCDF	Derived	48	J	ng/kg	48	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	4.7	J	ng/kg	4.7		1.0	YES	S4VEM
TEQ (Bird)	Derived	4.5	J	ng/kg	4.5		1.0	YES	S4VEM
TEQ (Fish)	Derived	4.0	J	ng/kg	4.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLTT3** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTY2	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: PD09SD	pH:	Sample Date: 09/12/2020	Sample Time: 11:48:00
% Moisture:		% Solids: 49.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.37	JQ	ng/kg	0.37	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.31	JQ	ng/kg	0.31	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.52	U	ng/kg	0.52	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.94	JQ	ng/kg	0.94	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.55	U	ng/kg	0.55	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	16		ng/kg	16		1.0	YES	S4VEM
OCDD	Target	120		ng/kg	120		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.18	JQ	ng/kg	0.18	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.30	U	ng/kg	0.30	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.32	JQ	ng/kg	0.32	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.37	U	ng/kg	0.37	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.7	JQ	ng/kg	3.7	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.36	U	ng/kg	0.36	UM	1.0	YES	S4VEM
OCDF	Target	7.5	JQ	ng/kg	7.5	J	1.0	YES	S4VEM
Total TCDD	Derived	3.1	J	ng/kg	3.1	J	1.0	YES	S4VEM
Total PeCDD	Derived	5.2	J	ng/kg	5.2	J	1.0	YES	S4VEM
Total HxCDD	Derived	7.3	J	ng/kg	7.3	J	1.0	YES	S4VEM
Total HpCDD	Derived	28	J	ng/kg	28	J	1.0	YES	S4VEM
Total TCDF	Derived	6.6	J	ng/kg	6.6	J	1.0	YES	S4VEM
Total PeCDF	Derived	3.1	J	ng/kg	3.1	J	1.0	YES	S4VEM
Total HxCDF	Derived	5.3	J	ng/kg	5.3	J	1.0	YES	S4VEM
Total HpCDF	Derived	10	J	ng/kg	10	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	1.1	J	ng/kg	1.1		1.0	YES	S4VEM
TEQ (Bird)	Derived	1.2	J	ng/kg	1.2		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.92	J	ng/kg	0.92		1.0	YES	S4VEM

MEMORANDUM

DATE: October 20, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 6 soil and 14 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Dioxins/Furans at Frontier Analytical Laboratory, El Dorado Hills, California, following EPA CLP SOW HRSM01.2. All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM).

The samples were numbered:

PJLTS6	PJLTS7	PJLTS8	PJLTS9	PJLTT2
PJLW23	PJLTR9	PJLW29	PJLW39	PJLW41
PJLW27	PJLW45	PJLW31	PJLW43	PJLW33
PJLW35	PJLS48	PJLW49	PJLW50	PJLW47

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 155
Seattle, WA 98101-3140

Laboratory Services & Applied Science Division (LSASD)

October 19, 2020

MEMORANDUM

Subject: Data Validation Report for Former Western States Plywood Coop Mill, Case #49090, SDG: PJLW23, High Resolution Mass Spectrometry (HRMS) Analyses for Dioxin and Furans

From: Karin Feddersen-Lethe, QA Chemist
USEPA Region 10, Environmental Characterization Branch, LSASD

KARIN FEDDERSEN-LETHE Digitally signed by KARIN FEDDERSEN-LETHE Date: 2020.10.19 10:13:16 -07'00'

To: Brandon Perkins, Brownfields Project Manager
USEPA Region 10, Superfund & Emergency Management Division

CC: Derek Pulvino and Mark Woodke, Ecology & Environment

The quality assurance (QA) review of the analytical data generated from the analysis of six soil samples and fourteen water samples collected from the above-referenced site, has been completed. These samples were analyzed for dioxins/furans by Frontier Analytical Laboratory located in El Dorado Hills, CA. Soil sample results are reported on a dry weight basis. Tissue results are reported on a wet weight basis. No adjustment needs to be made by the user for percent solids or for dilutions on any results.

All sample analyses were evaluated following EPA's Stage IV Data Validation Electronic/Manual Process (S4VEM). The validation was conducted, and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the following:

- Quality Assurance Project Plan (QAPP) for Sampling and Quality Assurance Plan (SQAP) for Former Western States Plywood Coop Mill Targeted Brownfields Assessment, 09/03/2020;
- EPA Contract Laboratory Program Statement of Work for High Resolution Superfund Methods (Multi-Media, Multi-Concentration) HRSM01.2;
- USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review (EPA542-B-16-001); and
- Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R-08-005).

Some data may be qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review. A summary of samples evaluated in this report with the pertinent dates for sample collection, laboratory sample receipt, extraction, and analyses are attached along with the validated data.

I. QUALITY CONTROL RESULTS SUMMARY

The following table summarizes the major quality control (QC) tests as well as the criteria for evaluation and identification of outliers. Some criteria for evaluation may be QAPP or Region specific and different from the NFG.

Chlorinated Dibenzo-p-Dioxin/Chlorinated Dibenzofuran (CDD/CDF) Analysis			
Quality Control Test	**Outliers?**	**Data Affected?**	**Evaluation Criteria**
Blanks	N	N	Nondetect†; or sample >5X Blank††
Initial Calibration	N	N	S/N Ratio: ≥10; ISC % valley: ≤15%; IAR ±15%; %RSD: ≤20% (target); ≤35% (labeled)
Continuing Calibration Verification	N	N	S/N Ratio: ≥10 RR %D: ±25% (target); RRF %D ±35% (labeled)
Labeled Compounds	N	N	Varies by compound‡
Laboratory Control Samples	N	N	Varies by compound‡
Target Analyte Identification	N	N	S/N >3; IAR ±15%, PCDE interference ≤10%, Lock mass interference<20% PCDE ≤25%, Lock mass interference<50%
Toxic Equivalent (TEQ)	Y	Y*	J qualified results represent ≤10%; EMPC values not included. (NOTE: blank value contribution to TEQs have not been evaluated)

*See the Data Qualifications section below for outliers and qualification of affected data.
† <3X CRQL for OCDD/OCDF
†† 10x for OCDD/OCDF
‡ See NFG HR Superfund Table 15 for individual compound acceptance criteria.
(Note: S/N = Signal to Noise, ISC = Isomer Specificity Check, RSD = Relative Standard Deviation, D = Difference, RPD = Relative Percent Difference, IAR = Ion Abundance Ratio)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of qualifiers applied to the sample result(s) either electronically or manually, when needed, to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified and the associated numerical value is an estimated quantity.
UJ	The analyte was analyzed for but was not detected above the level of the associated value. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable for all purposes. The analyte may or may not be present in the sample.
Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs).

Attachments:
Manual/Electronic Data Review Results
Sample Summary Report
Data Validation Report - Analytical Sample Listing

Manual/Electronic Data Review Results

CDD/CDF ORGANICS ANALYSIS	
Target Analyte Quantitation Qualification Summary	
The following samples have nondetect results reported below the quantitation limit (CRQL). Detects are qualified JQ. Nondetects are qualified UJ at the EDL/MDL.	
2,3,7,8-TCDD	PJLTS6, PJLTS8
1,2,3,7,8-PeCDD	PJLTS8
1,2,3,4,7,8-HxCDD	PJLTS6, PJLTS8, PJLW47
1,2,3,6,7,8-HxCDD	PJLTS6, PJLTS8, PJLTT2, PJLW23, PJLW29, PJLW47
1,2,3,7,8,9-HxCDD	PJLTS6, PJLTS8, PJLTT2, PJLW23, PJLW29, PJLW47
1,2,3,4,6,7,8-HpCDD	PJLTS7, PJLTS9, PJLW23, PJLW27, PJLW31, PJLW33, PJLW39, PJLW45, PJLW48
OCDD	PJLTS9, PJLW27, PJLW33, PJLW35, PJLW41, PJLW43, PJLW45, PJLW48
2,3,7,8-TCDF	PJLTR9, PJLTS6
1,2,3,7,8-PeCDF	PJLTR9
2,3,4,7,8-PeCDF	PJLTR9
1,2,3,4,7,8-HxCDF	PJLTR9, PJLTS6, PJLTS8, PJLW47
1,2,3,6,7,8-HxCDF	PJLTR9
1,2,3,7,8,9-HxCDF	PJLTR9
2,3,4,6,7,8-HxCDF	PJLTR9, PJLTS6, PJLW47
1,2,3,4,6,7,8-HpCDF	PJLTS7, PJLTT2, PJLW23, PJLW29, PJLW39
1,2,3,4,7,8,9-HpCDF	PJLTR9, PJLTS6, PJLTS8, PJLW47
OCDF	PJLTR9, PJLTS7, PJLTT2, PJLW23, PJLW27, PJLW29, PJLW31, PJLW39
Homologue totals are reported for all samples. Detects are qualified J. Nondetects are qualified UJ.	
Total TCDD Total PeCDD Total HxCDD Total HpCDD Total TCDF Total PeCDF Total HxCDF Total HpCDF	PJLTR9, PJLTS6, PJLTS7, PJLTS8, PJLTS9, PJLTT2, PJLW23, PJLW27, PJLW29, PJLW31, PJLW33, PJLW35, PJLW39, PJLW41, PJLW43, PJLW45, PJLW47, PJLW48, PJLW49, PJLW50

Data Validation Report
Analytical Sample Listing

Tue, 13 Oct 2020 12:50:38

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW16006/PJLW23

Lab Name: Frontier Analytical Laboratory

Submission Group Id: 32005477

Organization: EPA Region 10

SOW: HRSM01.2

Method - Dioxin

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
PJLTS6	FS	Soil		09/10/2020 13:54:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/02/2020 22:54:12	DB5MS	FAL4
								SDS	09/28/2020 16:00:00	Confirmation	10/08/2020 10:54:59	DB5MS	FAL3
PJLTS7	FS	Soil		09/10/2020 16:25:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/02/2020 23:49:07	DB5MS	FAL4
PJLTS8	FS	Soil		09/11/2020 09:16:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/03/2020 00:44:03	DB5MS	FAL4
PJLTS9	FS	Soil		09/11/2020 09:53:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/03/2020 01:38:58	DB5MS	FAL4
PJLTT2	FS	Soil		09/11/2020 10:30:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Initial	10/03/2020 02:33:53	DB5MS	FAL4
PJLW23	FS	Water		09/11/2020 11:16:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 13:08:12	DB5MS	FAL4
PJLTR9	FS	Soil		09/11/2020 15:03:00	09/17/2020 09:50:00			SDS	09/28/2020 16:00:00	Confirmation	10/08/2020 10:08:34	DB5MS	FAL3
								SDS	09/28/2020 16:00:00	Initial	10/02/2020 21:59:17	DB5MS	FAL4
PJLW29	FS	Water		09/11/2020 15:34:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 14:03:07	DB5MS	FAL4
PJLW39	FS	Water		09/11/2020 17:18:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 15:52:55	DB5MS	FAL4
PJLW41	FS	Water		09/12/2020 10:02:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 18:37:38	DB5MS	FAL4
PJLW27	FS	Water		09/12/2020 11:10:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 16:47:48	DB5MS	FAL4
PJLW45	FS	Water		09/12/2020 11:24:00	09/16/2020 10:00:00			SPE	09/25/2020 16:00:00	Initial	10/02/2020 11:55:06	DB5MS	FAL4
PJLW31	FS	Water		09/12/2020 12:40:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 14:58:01	DB5MS	FAL4
PJLW43	FS	Water		09/12/2020 12:59:00	09/16/2020 10:00:00			SPE	09/25/2020 16:00:00	Initial	10/02/2020 11:00:12	DB5MS	FAL4
PJLW33	FS	Water		09/12/2020 14:00:00	09/16/2020 10:00:00			SPE	09/22/2020 16:00:00	Initial	09/24/2020 17:42:43	DB5MS	FAL4
PJLW35	FS	Water		09/14/2020	09/17/2020			SPE	09/25/2020	Initial	10/02/2020	DB5MS	FAL4

Data Validation Report
Analytical Sample Listing

Tue, 13 Oct 2020 12:50:38

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project

GroupID: 49090/EPW16006/PJLW23

Lab Name: Frontier Analytical Laboratory

Submission Group Id: 32005477

Organization: EPA Region 10

SOW: HRSM01.2

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Handling Type	Handling Date	Preparation Type	Preparation Date	Analysis Type	Analysis Date	Column	Instrument
				10:35:00	09:50:00				16:00:00		12:50:01		
PJLW48	FS	Water		09/14/2020 16:55:00	09/17/2020 09:50:00			SPE	09/25/2020 16:00:00	Initial	10/02/2020 14:39:52	DB5MS	FAL4
PJLW49	FS	Water		09/14/2020 17:00:00	09/17/2020 09:50:00			SPE	09/25/2020 16:00:00	Initial	10/02/2020 15:34:47	DB5MS	FAL4
PJLW50	FS	Water		09/14/2020 17:05:00	09/17/2020 09:50:00			SPE	09/25/2020 16:00:00	Initial	10/02/2020 16:29:41	DB5MS	FAL4
PJLW47	FS	Water		09/15/2020 10:00:00	09/17/2020 09:50:00			SPE	10/06/2020 16:00:00	Initial	10/08/2020 18:14:37	DB5MS	FAL4

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK53	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.88	U	pg/L	0.88	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.6	U	pg/L	1.6	U	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	U	pg/L	4.3	UM	1.0	YES	S4VEM
OCDD	Target	7.8	U	pg/L	7.8	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.6	U	pg/L	6.6	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK59	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.74	U	pg/L	0.74	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	U	pg/L	4.3	UM	1.0	YES	S4VEM
OCDD	Target	7.8	U	pg/L	7.8	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.6	U	pg/L	6.6	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK60	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.45	U	ng/kg	0.45	UM	1.0	YES	S4VEM
OCDD	Target	0.91	U	ng/kg	0.91	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		ng/kg	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DBLK71	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.74	U	pg/L	0.74	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	U	pg/L	4.3	UM	1.0	YES	S4VEM
OCDD	Target	15	U	pg/L	15	U	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.6	U	pg/L	6.6	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS53	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDD	Spike	2100		pg/L	2100		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDF	Spike	2100		pg/L	2100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS59	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	970		pg/L	970		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDD	Spike	2100		pg/L	2100		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	190		pg/L	190		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	900		pg/L	900		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	890		pg/L	890		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	990		pg/L	990		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDF	Spike	2100		pg/L	2100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS60	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	23		ng/kg	23		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
OCDD	Spike	210		ng/kg	210		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	96		ng/kg	96		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	92		ng/kg	92		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	110		ng/kg	110		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	98		ng/kg	98		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCS71	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	200		pg/L	200		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	920		pg/L	920		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	990		pg/L	990		1.0	YES	S4VEM
OCDD	Spike	2000		pg/L	2000		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	180		pg/L	180		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	870		pg/L	870		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	850		pg/L	850		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	890		pg/L	890		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	920		pg/L	920		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	930		pg/L	930		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	920		pg/L	920		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	890		pg/L	890		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	870		pg/L	870		1.0	YES	S4VEM
OCDF	Spike	1900		pg/L	1900		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD53	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	990		pg/L	990		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDD	Spike	2000		pg/L	2000		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	1100		pg/L	1100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDF	Spike	2100		pg/L	2100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD59	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	200		pg/L	200		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	960		pg/L	960		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1100		pg/L	1100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDD	Spike	2100		pg/L	2100		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	190		pg/L	190		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	910		pg/L	910		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	920		pg/L	920		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	990		pg/L	990		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1.0	YES	S4VEM
OCDF	Spike	2100		pg/L	2100		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD60	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	23		ng/kg	23		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	110		ng/kg	110		1.0	YES	S4VEM
OCDD	Spike	210		ng/kg	210		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	18		ng/kg	18		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	90		ng/kg	90		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	91		ng/kg	91		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	100		ng/kg	100		1.0	YES	S4VEM
OCDF	Spike	210		ng/kg	210		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: DLCSD71	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	210		pg/L	210		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Spike	950		pg/L	950		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Spike	1000		pg/L	1000		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Spike	960		pg/L	960		1.0	YES	S4VEM
OCDD	Spike	1900		pg/L	1900		1.0	YES	S4VEM
2,3,7,8-TCDF	Spike	180		pg/L	180		1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Spike	820		pg/L	820		1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Spike	850		pg/L	850		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Spike	910		pg/L	910		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Spike	910		pg/L	910		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Spike	990		pg/L	990		1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Spike	970		pg/L	970		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Spike	880		pg/L	880		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Spike	870		pg/L	870		1.0	YES	S4VEM
OCDF	Spike	1800		pg/L	1800		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTR9	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: OP02TP01	pH:	Sample Date: 09/11/2020	Sample Time: 15:03:00
% Moisture:		% Solids: 96.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	3.3		ng/kg	3.3		1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	7.9		ng/kg	7.9		1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	5.5		ng/kg	5.5		1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	11		ng/kg	11		1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	15		ng/kg	15		1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	72		ng/kg	72		1.0	YES	S4VEM
OCDD	Target	200		ng/kg	200		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.75	JQ	ng/kg	0.75	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.71	JQ	ng/kg	0.71	J	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	1.6	JQ	ng/kg	1.6	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	1.3	JQ	ng/kg	1.3	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.71	JQ	ng/kg	0.71	J	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	2.2	JQ	ng/kg	2.2	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	8.0		ng/kg	8.0		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.94	JQ	ng/kg	0.94	J	1.0	YES	S4VEM
OCDF	Target	9.4	JQ	ng/kg	9.4	J	1.0	YES	S4VEM
Total TCDD	Derived	43	J	ng/kg	43	J	1.0	YES	S4VEM
Total PeCDD	Derived	71	J	ng/kg	71	J	1.0	YES	S4VEM
Total HxCDD	Derived	140	J	ng/kg	140	J	1.0	YES	S4VEM
Total HpCDD	Derived	150	J	ng/kg	150	J	1.0	YES	S4VEM
Total TCDF	Derived	15	J	ng/kg	15	J	1.0	YES	S4VEM
Total PeCDF	Derived	19	J	ng/kg	19	J	1.0	YES	S4VEM
Total HxCDF	Derived	28	J	ng/kg	28	J	1.0	YES	S4VEM
Total HpCDF	Derived	22	J	ng/kg	22	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	16	J	ng/kg	16		1.0	YES	S4VEM
TEQ (Bird)	Derived	16	J	ng/kg	16		1.0	YES	S4VEM
TEQ (Fish)	Derived	16	J	ng/kg	16		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTS6	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL14GP01	pH:	Sample Date: 09/10/2020	Sample Time: 13:54:00
% Moisture:		% Solids: 66.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.18	JQ	ng/kg	0.18	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.89	JQ	ng/kg	0.89	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	1.5	JQ	ng/kg	1.5	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	1.1	JQ	ng/kg	1.1	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	30		ng/kg	30		1.0	YES	S4VEM
OCDD	Target	250		ng/kg	250		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.16	JQ	ng/kg	0.16	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.73	JQ	ng/kg	0.73	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.69	JQ	ng/kg	0.69	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	8.2		ng/kg	8.2		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.68	JQ	ng/kg	0.68	J	1.0	YES	S4VEM
OCDF	Target	23		ng/kg	23		1.0	YES	S4VEM
Total TCDD	Derived	0.64	J	ng/kg	0.64	J	1.0	YES	S4VEM
Total PeCDD	Derived	0.40	J	ng/kg	0.40	J	1.0	YES	S4VEM
Total HxCDD	Derived	10	J	ng/kg	10	J	1.0	YES	S4VEM
Total HpCDD	Derived	54	J	ng/kg	54	J	1.0	YES	S4VEM
Total TCDF	Derived	1.7	J	ng/kg	1.7	J	1.0	YES	S4VEM
Total PeCDF	Derived	3.3	J	ng/kg	3.3	J	1.0	YES	S4VEM
Total HxCDF	Derived	13	J	ng/kg	13	J	1.0	YES	S4VEM
Total HpCDF	Derived	28	J	ng/kg	28	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	1.2	J	ng/kg	1.2		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.79	J	ng/kg	0.79		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.95	J	ng/kg	0.95		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTS7	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL14GP02	pH:	Sample Date: 09/10/2020	Sample Time: 16:25:00
% Moisture:		% Solids: 75.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.090	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	3.5	JQ	ng/kg	3.5	J	1.0	YES	S4VEM
OCDD	Target	31		ng/kg	31		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.85	JQ	ng/kg	0.85	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	2.6	JQ	ng/kg	2.6	J	1.0	YES	S4VEM
Total TCDD	Derived	0.45	J	ng/kg	0.45	J	1.0	YES	S4VEM
Total PeCDD	Derived	0.70	J	ng/kg	0.70	J	1.0	YES	S4VEM
Total HxCDD	Derived	1.2	J	ng/kg	1.2	J	1.0	YES	S4VEM
Total HpCDD	Derived	6.7	J	ng/kg	6.7	J	1.0	YES	S4VEM
Total TCDF	Derived	2.1	J	ng/kg	2.1	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived	0.98	J	ng/kg	0.98	J	1.0	YES	S4VEM
Total HpCDF	Derived	2.7	J	ng/kg	2.7	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.054	J	ng/kg	0.054		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.015	J	ng/kg	0.015		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.015	J	ng/kg	0.015		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTS8	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL15GP01	pH:	Sample Date: 09/11/2020	Sample Time: 09:16:00
% Moisture:		% Solids: 80.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.26	JQ	ng/kg	0.26	J	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.94	JQ	ng/kg	0.94	J	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.7	JQ	ng/kg	1.7	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	3.3	JQ	ng/kg	3.3	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.9	JQ	ng/kg	2.9	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	69		ng/kg	69		1.0	YES	S4VEM
OCDD	Target	350		ng/kg	350		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	JQ	ng/kg	0.40	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	5.5		ng/kg	5.5		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	JQ	ng/kg	0.46	J	1.0	YES	S4VEM
OCDF	Target	20		ng/kg	20		1.0	YES	S4VEM
Total TCDD	Derived	3.6	J	ng/kg	3.6	J	1.0	YES	S4VEM
Total PeCDD	Derived	7.2	J	ng/kg	7.2	J	1.0	YES	S4VEM
Total HxCDD	Derived	36	J	ng/kg	36	J	1.0	YES	S4VEM
Total HpCDD	Derived	160	J	ng/kg	160	J	1.0	YES	S4VEM
Total TCDF	Derived	2.8	J	ng/kg	2.8	J	1.0	YES	S4VEM
Total PeCDF	Derived	1.5	J	ng/kg	1.5	J	1.0	YES	S4VEM
Total HxCDF	Derived	6.6	J	ng/kg	6.6	J	1.0	YES	S4VEM
Total HpCDF	Derived	20	J	ng/kg	20	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	2.9	J	ng/kg	2.9		1.0	YES	S4VEM
TEQ (Bird)	Derived	1.8	J	ng/kg	1.8		1.0	YES	S4VEM
TEQ (Fish)	Derived	2.3	J	ng/kg	2.3		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTS9	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL15GP02	pH:	Sample Date: 09/11/2020	Sample Time: 09:53:00
% Moisture:		% Solids: 89.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.50	U	ng/kg	0.50	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.34	U	ng/kg	0.34	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	0.67	JQ	ng/kg	0.67	J	1.0	YES	S4VEM
OCDD	Target	3.9	JQ	ng/kg	3.9	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	0.87	U	ng/kg	0.87	UM	1.0	YES	S4VEM
Total TCDD	Derived	0.15	J	ng/kg	0.15	J	1.0	YES	S4VEM
Total PeCDD	Derived	0.62	J	ng/kg	0.62	J	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	1.5	J	ng/kg	1.5	J	1.0	YES	S4VEM
Total TCDF	Derived	1.7	J	ng/kg	1.7	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0079	J	ng/kg	0.0079		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0011	J	ng/kg	0.0011		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0011	J	ng/kg	0.0011		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLTT2	Method: Dioxin	Matrix: Soil	MA Number:
Sample Location: SL17GP01	pH:	Sample Date: 09/11/2020	Sample Time: 10:30:00
% Moisture:		% Solids: 87.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.084	U	ng/kg	0.084	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	0.35	U	ng/kg	0.35	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	0.77	JQ	ng/kg	0.77	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	0.48	JQ	ng/kg	0.48	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	13		ng/kg	13		1.0	YES	S4VEM
OCDD	Target	100		ng/kg	100		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	0.11	U	ng/kg	0.11	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	0.38	U	ng/kg	0.38	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	0.43	U	ng/kg	0.43	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	0.40	U	ng/kg	0.40	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	0.47	U	ng/kg	0.47	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	0.44	U	ng/kg	0.44	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	0.41	U	ng/kg	0.41	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.1	JQ	ng/kg	3.1	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	0.46	U	ng/kg	0.46	UM	1.0	YES	S4VEM
OCDF	Target	9.0	JQ	ng/kg	9.0	J	1.0	YES	S4VEM
Total TCDD	Derived	1.9	J	ng/kg	1.9	J	1.0	YES	S4VEM
Total PeCDD	Derived	1.4	J	ng/kg	1.4	J	1.0	YES	S4VEM
Total HxCDD	Derived	5.4	J	ng/kg	5.4	J	1.0	YES	S4VEM
Total HpCDD	Derived	22	J	ng/kg	22	J	1.0	YES	S4VEM
Total TCDF	Derived	3.2	J	ng/kg	3.2	J	1.0	YES	S4VEM
Total PeCDF	Derived	1.9	J	ng/kg	1.9	J	1.0	YES	S4VEM
Total HxCDF	Derived	5.1	J	ng/kg	5.1	J	1.0	YES	S4VEM
Total HpCDF	Derived	10	J	ng/kg	10	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.32	J	ng/kg	0.32		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.11	J	ng/kg	0.11		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.067	J	ng/kg	0.067		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW23	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL15GW	pH:	Sample Date: 09/11/2020	Sample Time: 11:16:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.9	JQ	pg/L	2.9	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.5	JQ	pg/L	2.5	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	41	JQ	pg/L	41	J	1.0	YES	S4VEM
OCDD	Target	190		pg/L	190		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.6	JQ	pg/L	3.6	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	13	JQ	pg/L	13	J	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived	17	J	pg/L	17	J	1.0	YES	S4VEM
Total HpCDD	Derived	84	J	pg/L	84	J	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	11	J	pg/L	11	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	1.0	J	pg/L	1.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.38	J	pg/L	0.38		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.15	J	pg/L	0.15		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW27	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL18GW	pH:	Sample Date: 09/12/2020	Sample Time: 11:10:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.99	U	pg/L	0.99	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	10	JQ	pg/L	10	J	1.0	YES	S4VEM
OCDD	Target	83	JQ	pg/L	83	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	8.7	JQ	pg/L	8.7	J	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	19	J	pg/L	19	J	1.0	YES	S4VEM
Total TCDF	Derived	1.2	J	pg/L	1.2	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	7.2	J	pg/L	7.2	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.13	J	pg/L	0.13		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.019	J	pg/L	0.019		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.019	J	pg/L	0.019		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW29	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL20GW	pH:	Sample Date: 09/11/2020	Sample Time: 15:34:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.2	U	pg/L	1.2	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.8	U	pg/L	1.8	U	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	5.0	JQ	pg/L	5.0	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	3.1	JQ	pg/L	3.1	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	160		pg/L	160		1.0	YES	S4VEM
OCDD	Target	1600		pg/L	1600		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.2	U	pg/L	1.2	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	28	JQ	pg/L	28	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	97	JQ	pg/L	97	J	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived	36	J	pg/L	36	J	1.0	YES	S4VEM
Total HpCDD	Derived	310	J	pg/L	310	J	1.0	YES	S4VEM
Total TCDF	Derived	14	J	pg/L	14	J	1.0	YES	S4VEM
Total PeCDF	Derived	12	J	pg/L	12	J	1.0	YES	S4VEM
Total HxCDF	Derived	42	J	pg/L	42	J	1.0	YES	S4VEM
Total HpCDF	Derived	95	J	pg/L	95	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	3.2	J	pg/L	3.2		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.97	J	pg/L	0.97		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.69	J	pg/L	0.69		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW31	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL21GW	pH:	Sample Date: 09/12/2020	Sample Time: 12:40:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	10	JQ	pg/L	10	J	1.0	YES	S4VEM
OCDD	Target	120		pg/L	120		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	7.0	JQ	pg/L	7.0	J	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	20	J	pg/L	20	J	1.0	YES	S4VEM
Total TCDF	Derived	1.8	J	pg/L	1.8	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	5.2	J	pg/L	5.2	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.14	J	pg/L	0.14		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.023	J	pg/L	0.023		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.023	J	pg/L	0.023		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW33	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: SL22GW	pH:	Sample Date: 09/12/2020	Sample Time: 14:00:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	8.5	JQ	pg/L	8.5	J	1.0	YES	S4VEM
OCDD	Target	29	JQ	pg/L	29	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.6	U	pg/L	6.6	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	15	J	pg/L	15	J	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	2.7	J	pg/L	2.7	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.094	J	pg/L	0.094		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.011	J	pg/L	0.011		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.011	J	pg/L	0.011		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW35	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: TP23GW	pH:	Sample Date: 09/14/2020	Sample Time: 10:35:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.75	U	pg/L	0.75	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	U	pg/L	4.4	UM	1.0	YES	S4VEM
OCDD	Target	11	JQ	pg/L	11	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	4.0	U	pg/L	4.0	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	4.0	U	pg/L	4.0	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.7	U	pg/L	6.7	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ				1.0	YES	S4VEM
Total PeCDD	Derived		UJ				1.0	YES	S4VEM
Total HxCDD	Derived		UJ				1.0	YES	S4VEM
Total HpCDD	Derived		UJ				1.0	YES	S4VEM
Total TCDF	Derived		UJ				1.0	YES	S4VEM
Total PeCDF	Derived		UJ				1.0	YES	S4VEM
Total HxCDF	Derived		UJ				1.0	YES	S4VEM
Total HpCDF	Derived		UJ				1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0033	J	pg/L	0.0033		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0011	J	pg/L	0.0011		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0011	J	pg/L	0.0011		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW39	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: PD01SW	pH:	Sample Date: 09/11/2020	Sample Time: 17:18:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.99	U	pg/L	0.99	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	13	JQ	pg/L	13	J	1.0	YES	S4VEM
OCDD	Target	130		pg/L	130		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.2	U	pg/L	3.2	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	U	pg/L	2.7	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	4.3	JQ	pg/L	4.3	J	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.4	U	pg/L	2.4	UM	1.0	YES	S4VEM
OCDF	Target	9.1	JQ	pg/L	9.1	J	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	25	J	pg/L	25	J	1.0	YES	S4VEM
Total TCDF	Derived	1.3	J	pg/L	1.3	J	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived	2.8	J	pg/L	2.8	J	1.0	YES	S4VEM
Total HpCDF	Derived	12	J	pg/L	12	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.21	J	pg/L	0.21		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.070	J	pg/L	0.070		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.070	J	pg/L	0.070		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW41	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: PD05SW	pH:	Sample Date: 09/12/2020	Sample Time: 10:02:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.6	U	pg/L	3.6	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.4	U	pg/L	1.4	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.1	U	pg/L	4.1	UM	1.0	YES	S4VEM
OCDD	Target	24	JQ	pg/L	24	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.2	U	pg/L	3.2	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	U	pg/L	2.7	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.4	U	pg/L	2.4	UM	1.0	YES	S4VEM
OCDF	Target	6.3	U	pg/L	6.3	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0072	J	pg/L	0.0072		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0024	J	pg/L	0.0024		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0024	J	pg/L	0.0024		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW43	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: PD06SW	pH:	Sample Date: 09/12/2020	Sample Time: 12:59:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.72	U	pg/L	0.72	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.2	U	pg/L	4.2	UM	1.0	YES	S4VEM
OCDD	Target	16	JQ	pg/L	16	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.2	U	pg/L	3.2	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	U	pg/L	2.7	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.4	U	pg/L	2.4	UM	1.0	YES	S4VEM
OCDF	Target	6.4	U	pg/L	6.4	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0048	J	pg/L	0.0048		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0016	J	pg/L	0.0016		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0016	J	pg/L	0.0016		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW45	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: PD09SW	pH:	Sample Date: 09/12/2020	Sample Time: 11:24:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.71	U	pg/L	0.71	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.6	U	pg/L	3.6	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.4	U	pg/L	1.4	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	8.0	JQ	pg/L	8.0	J	1.0	YES	S4VEM
OCDD	Target	94	JQ	pg/L	94	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.2	U	pg/L	3.2	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	U	pg/L	2.7	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.8	U	pg/L	2.8	U	1.0	YES	S4VEM
OCDF	Target	6.3	U	pg/L	6.3	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	15	J	pg/L	15	J	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.11	J	pg/L	0.11		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.017	J	pg/L	0.017		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.017	J	pg/L	0.017		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW47	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: ID01WT	pH:	Sample Date: 09/15/2020	Sample Time: 10:00:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	3.8	JQ	pg/L	3.8	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	21	JQ	pg/L	21	J	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	6.9	JQ	pg/L	6.9	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	380		pg/L	380		1.0	YES	S4VEM
OCDD	Target	3200		pg/L	3200		1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.3	U	pg/L	1.3	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	4.0	U	pg/L	4.0	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.6	U	pg/L	3.6	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	6.6	JQ	pg/L	6.6	J	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.9	U	pg/L	2.9	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	4.0	U	pg/L	4.0	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	5.3	JQ	pg/L	5.3	J	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	88		pg/L	88		1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	8.0	JQ	pg/L	8.0	J	1.0	YES	S4VEM
OCDF	Target	330		pg/L	330		1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived	3.9	J	pg/L	3.9	J	1.0	YES	S4VEM
Total HxCDD	Derived	100	J	pg/L	100	J	1.0	YES	S4VEM
Total HpCDD	Derived	670	J	pg/L	670	J	1.0	YES	S4VEM
Total TCDF	Derived	34	J	pg/L	34	J	1.0	YES	S4VEM
Total PeCDF	Derived	58	J	pg/L	58	J	1.0	YES	S4VEM
Total HxCDF	Derived	180	J	pg/L	180	J	1.0	YES	S4VEM
Total HpCDF	Derived	360	J	pg/L	360	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	10	J	pg/L	10		1.0	YES	S4VEM
TEQ (Bird)	Derived	4.0	J	pg/L	4.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	5.1	J	pg/L	5.1		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW48	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: RI01WT	pH:	Sample Date: 09/14/2020	Sample Time: 16:55:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.72	U	pg/L	0.72	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.7	U	pg/L	3.7	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.1	U	pg/L	2.1	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	6.4	JQ	pg/L	6.4	J	1.0	YES	S4VEM
OCDD	Target	37	JQ	pg/L	37	J	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.2	U	pg/L	3.2	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.7	U	pg/L	2.7	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.4	U	pg/L	3.4	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.4	U	pg/L	2.4	UM	1.0	YES	S4VEM
OCDF	Target	6.4	U	pg/L	6.4	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived	12	J	pg/L	12	J	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived	2.8	J	pg/L	2.8	J	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.075	J	pg/L	0.075		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.010	J	pg/L	0.010		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.010	J	pg/L	0.010		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW49	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: RI02WT	pH:	Sample Date: 09/14/2020	Sample Time: 17:00:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.73	U	pg/L	0.73	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.2	U	pg/L	4.2	UM	1.0	YES	S4VEM
OCDD	Target	7.7	U	pg/L	7.7	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.5	U	pg/L	6.5	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

Sample Summary Report

Project Name: FORMER WESTERN STATES PLYWOOD COOP MILL TBA Project | **GroupID: 49090/EPW16006/PJLW23** | **Lab Name: Frontier Analytical Laboratory**

Sample Number: PJLW50	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: RI03WT	pH:	Sample Date: 09/14/2020	Sample Time: 17:05:00
% Moisture:		% Solids: 0.00	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	0.75	U	pg/L	0.75	UM	1.0	YES	S4VEM
1,2,3,7,8-PeCDD	Target	3.8	U	pg/L	3.8	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDD	Target	1.5	U	pg/L	1.5	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDD	Target	2.2	U	pg/L	2.2	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	U	pg/L	4.4	UM	1.0	YES	S4VEM
OCDD	Target	7.9	U	pg/L	7.9	UM	1.0	YES	S4VEM
2,3,7,8-TCDF	Target	1.1	U	pg/L	1.1	U	1.0	YES	S4VEM
1,2,3,7,8-PeCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,7,8-PeCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8-HxCDF	Target	3.3	U	pg/L	3.3	UM	1.0	YES	S4VEM
1,2,3,6,7,8-HxCDF	Target	2.8	U	pg/L	2.8	UM	1.0	YES	S4VEM
1,2,3,7,8,9-HxCDF	Target	3.9	U	pg/L	3.9	UM	1.0	YES	S4VEM
2,3,4,6,7,8-HxCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,6,7,8-HpCDF	Target	3.5	U	pg/L	3.5	UM	1.0	YES	S4VEM
1,2,3,4,7,8,9-HpCDF	Target	2.5	U	pg/L	2.5	UM	1.0	YES	S4VEM
OCDF	Target	6.7	U	pg/L	6.7	UM	1.0	YES	S4VEM
Total TCDD	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDD	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDD	Derived		UJ			U	1.0	YES	S4VEM
Total TCDF	Derived		UJ			U	1.0	YES	S4VEM
Total PeCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HxCDF	Derived		UJ			U	1.0	YES	S4VEM
Total HpCDF	Derived		UJ			U	1.0	YES	S4VEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Bird)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM
TEQ (Fish)	Derived	0.0		pg/L	0.0		1.0	YES	S4VEM

MEMORANDUM

DATE: November 13, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 13 samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Organic Carbon at the EPA's Manchester Environmental Laboratory, Port Orchard, Washington, following Method PSEP-TOC. All sample analyses were evaluated following EPA's Stage 4 Data Validation Manual Process (S4VM).

The samples were numbered:

20375608	20375626	20375638	20375644	20375654	20375655
20375656	20375657	20375658	20375659	20375660	20375661
20375662					

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

SUBJECT: Data Release for Inorganics Results from the Region 10 USEPA Laboratory

PROJECT NAME: Former Western States Plywood Cooperative Mill

PROJECT CODE: BFP-038A

FROM: Gerald Dodo, Supervisory Chemist
USEPA Region 10 Laboratory
Laboratory Services & Applied Science Division

GERALD DODO

Digitally signed by GERALD DODO
Date: 2020.11.12 12:45:32 -08'00'

TO: Brandon Perkins, RPM
USEPA Region 10
Superfund and Emergency Management Division

CC: Derek Pulvino, E&E

I have authorized release of this data package. Attached you will find the Total Organic Carbon (TOC) results for the Former Western States Plywood Cooperative Mill project for the samples received on 09/11/20 and 09/16/20. For further information regarding the attached data, contact Katie Adams at 360-871-8748.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Drive East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR INORGANIC CHEMICAL ANALYSES

November 12, 2020

From: Katie Adams
Laboratory Services & Applied Sciences Division, US EPA Region 10 Laboratory

To: Brandon Perkins
RE: Former Western States Plywood Cooperative Mill
Project Code: BFP-038A
Account Code: 20202021B10P000D43G000BZ00

TOC

20375608	20375626	20375638	20375644	20375654	20375655
20375656	20375657	20375658	20375659	20375660	20375661
20375662					

The following describes the quality assurance review of the data for the analysis parameters and samples listed above. The analyses were performed by the US EPA Region 10 Laboratory in Port Orchard, WA, following US EPA and Laboratory guidelines.

1. Data Qualifications

The US EPA Region 10 Laboratory has been accredited by A2LA and has Certificate Number 5027.01. For those tests for which the Laboratory has been accredited by A2LA, results in this report comply with ISO IEC 17025:2017 and the 2009 TNI Environmental Testing Laboratory Standard.

Field information was provided to the laboratory from other sources, such as Chain of Custody records.

The data and associated documents were reviewed against the quality control criteria outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). The following areas were reviewed against these quality control measures:

Sample Transport and Receipt
Sample Holding Times
Sample Preparation
Initial Calibration/Continuing Calibration Verification
Laboratory Control Samples
Blank Analysis
Duplicate Analysis
Matrix Spike/Matrix Spike Duplicate (MS/MSD)
Reference Materials

2. QC Elements Not Meeting Laboratory/QAPP Criteria

None.

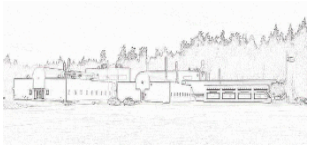
3. Data Qualifiers

Data for all samples and analytes were assessed for compliance with each of the requirements described in Section 1. Data qualifiers were assigned, as necessary, to alert the user to instances where data did not meet all requirements. In cases where more than one QC failure occurred, the most restrictive data qualifier has been applied to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier considering the project's data quality objectives. Should questions arise regarding the data, contact Katie Adams at the Region 10 Laboratory, phone number (360) 871-8748.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; however, the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte cannot be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification. ‡

‡ NA is most often applied to spike results where the recovery cannot be determined accurately due to the high native sample concentration.



US EPA Region 10 Laboratory

Multi-Sample Final Report

Project Code : BFP-038A
Site : FORMER WESTERN STATES PLYWOOD COOPERATIVE MILL
Contact : Brandon Perkins
Account : 20202021B10P000D43G000BZ00

Parameter(s): **TOC**

Analyte: ***90064 - Total Organic Carbon**
Weight Basis : Dry

Prep Method(s): PSEP-TOC - TOC in sediments by Puget Sound Estuarine Protocols
Analytical Method: PSEP-TOC - TOC in sediments by Puget Sound Estuarine Protocols

Target Analyte Results:

Sample	Information	Lab Matrix	Result	Unit	Qual.	Analysis Date	Dilution
20375608 sam	SL05GP01	Soil	**6820**	**mg/Kg**		9/28/20	1
20375626 sam	SL14GP01	Soil	**48200**	**mg/Kg**		9/28/20	1
20375638 sam	SL20GP01	Soil	**35600**	**mg/Kg**		9/28/20	1
20375644 sam	SL23TP01	Soil	**20900**	**mg/Kg**		9/28/20	1
20375654 sam	PD01SD	Sediment	**111000**	**mg/Kg**		9/28/20	1
20375655 sam	PD02SD	Sediment	**100000**	**mg/Kg**		9/28/20	1
20375656 sam	PD03SD	Sediment	**228000**	**mg/Kg**		9/28/20	1
20375657 sam	PD04SD	Sediment	**178000**	**mg/Kg**		9/28/20	1
20375658 sam	PD05SD	Sediment	**68600**	**mg/Kg**		9/28/20	1
20375659 sam	PD06SD	Sediment	**136000**	**mg/Kg**		9/28/20	1
20375660 sam	PD07SD	Sediment	**137000**	**mg/Kg**		9/29/20	1
20375661 sam	PD08SD	Sediment	**153000**	**mg/Kg**		9/29/20	1
20375662 sam	PD09SD	Sediment	**47100**	**mg/Kg**		9/29/20	1
20375626 du	SL14GP01	Soil	**55800**	**mg/Kg**		9/29/20	1
20375638 du	SL20GP01	Soil	**38200**	**mg/Kg**		9/28/20	1
20375654 du	PD01SD	Sediment	**118000**	**mg/Kg**		9/29/20	1
20375656 du	PD03SD	Sediment	**216000**	**mg/Kg**		9/29/20	1
20375657 du	PD04SD	Sediment	**182000**	**mg/Kg**		9/29/20	1
20375658 du	PD05SD	Sediment	**73000**	**mg/Kg**		9/29/20	1
20375659 du	PD06SD	Sediment	**129000**	**mg/Kg**		9/29/20	1
20375660 du	PD07SD	Sediment	**146000**	**mg/Kg**		9/29/20	1
20375661 du	PD08SD	Sediment	**144000**	**mg/Kg**		9/29/20	1
20375662 du	PD09SD	Sediment	**46100**	**mg/Kg**		9/29/20	1
IS092820ABL blk	Blank	Solid	500	mg/Kg	U	9/28/20	1

Spiked Compounds:

Sample	Information	Lab Matrix	Result	Unit	Qual.	Analysis Date	Dilution
20375638 ms	SL20GP01	Soil	104	%Rec		9/28/20	1
20375661 ms	PD08SD	Sediment	84	%Rec		9/29/20	1
20375638 msd	SL20GP01	Soil	101	%Rec		9/28/20	1
20375661 msd	PD08SD	Sediment	91	%Rec		9/29/20	1
IS092820ACO std	Control	Solid	98	%Rec		9/28/20	1
IS092820AL1 lcs	Lab Control Standard	Solid	94	%Rec		9/28/20	1

MEMORANDUM

DATE: November 3, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 65 samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Petroleum Range Hydrocarbons - Gasoline Range Extended at the EPA's Manchester Environmental Laboratory, Port Orchard, Washington, following Ecology method NWTPH-Gx. All sample analyses were evaluated following EPA's Stage 4 Data Validation Manual Process (S4VM).

The samples were numbered:

20375600	20375602	20375608	20375609	20375610	20375611
20375612	20375613	20375614	20375615	20375617	20375620
20375621	20375622	20375623	20375624	20375625	20375626
20375627	20375628	20375629	20375630	20375631	20375632
20375633	20375634	20375635	20375636	20375637	20375638
20375640	20375642	20375663	20375664	20375665	20375666
20375677	20375685	20375687	20375689	20375703	20375707
20375709	20375711	20375713	20375735	20385601	20385679
20385693	20385695	20385697	20385699	20385727	20385728
20385729	20385730	20385734			

No discrepancies were noted.

From the Case Narrative (with secondary reviewer comments in italics):
The trip blank #20385736 was shipped with the TPH-Gx soil samples which were shipped frozen on dry ice. All three aliquots of this water sample were received frozen and broken on arrival. *No actions were taken based on this as none of the three rinsate blanks had gasoline detections and these field QC samples are the closest analyzed approximation to trip blanks for this project.*

The chromatogram for the detected Gasoline range organics in sample 20375666 did not match the gasoline standard used for calibration and did not appear to be a volatile petroleum product. *No qualifiers were applied to this result but the data user should be aware of this information.*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

Subject: Data Release for Total Petroleum Hydrocarbon-Gasoline Range Extended Analysis from the USEPA Region 10 Laboratory

Project Name: Former Western States Plywood Cooperative Mill

Project Code: BFP-038A

From: Gerald Dodo GERALD DODO Digitally signed by GERALD DODO Date: 2020.11.03 12:47:32 -08'00'
Laboratory Services & Applied Sciences Division
USEPA Region 10

To: Brandon Perkins
Superfund & Emergency Management Division
USEPA Region 10

CC: Derek Pulvino - E&E

I have authorized release of this data package. Attached you will find the total petroleum hydrocarbon-gasoline range extended (TPH-Gx) analysis results for the above referenced project. For further information regarding the attached data, contact Chris Pace at 360-871-8703.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Drive East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

October 27, 2020

From: Chris Pace
Laboratory Services & Applied Sciences Division, US EPA Region 10 Laboratory

To: Brandon Perkins
RE: FORMER WESTERN STATES PLYWOOD COOPERATIVE MILL
Project Code: BFP-038A
Account Code: 20202021B10P000D43G000BZ00

Total Petroleum Hydrocarbon-Gasoline Range Extended

20375600	20375602	20375608	20375609	20375610	20375611
20375612	20375613	20375614	20375615	20375617	20375620
20375621	20375622	20375623	20375624	20375625	20375626
20375627	20375628	20375629	20375630	20375631	20375632
20375633	20375634	20375635	20375636	20375637	20375638
20375640	20375642	20375663	20375664	20375665	20375666
20375677	20375685	20375687	20375689	20375703	20375707
20375709	20375711	20375713	20375735	20385601	20385679
20385693	20385695	20385697	20385699	20385727	20385728
20385729	20385730	20385734			

The following describes the quality assurance review of the data for the analysis parameters and samples listed above. The analyses were performed by the US EPA Region 10 Laboratory in Port Orchard, WA, following US EPA and Laboratory guidelines.

1. Data Qualifications

The US EPA Region 10 Laboratory has been accredited by A2LA and has Certificate Number 5027.01. For those tests for which the Laboratory has been accredited by A2LA, results in this report comply with ISO IEC 17025:2017 and the 2009 TNI Environmental Testing Laboratory Standard.

Field information was provided to the laboratory from other sources, such as Chain of Custody records.

The data and associated documents were reviewed against the quality control criteria outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). The following areas were reviewed against these quality control measures:

Sample Transport and Receipt
Sample Holding Times
Sample Preparation
Initial Calibration
Continuing Calibration Verification
Laboratory Control Samples

Blank Analysis
Surrogate Spikes
Duplicates
Quantitation
Identification

2. Areas Not Meeting Laboratory/QAPP Criteria

Sample Transport and Receipt

The trip blank #20385736 was shipped with the TPH-Gx soil samples which were shipped frozen on dry ice. All three aliquots of this water sample were received frozen and broken on arrival.

3. Compound Identification

Gasoline range organics is a collective term for volatile petroleum products, e.g., gasolines, naphtha, mineral spirits, Stoddard solvent, and other volatile petroleum products.

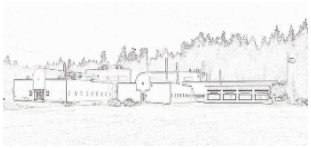
The chromatogram for the detected Gasoline range organics in sample 20375666 did not match the gasoline standard used for calibration and did not appear to be a volatile petroleum product.

4. Data Qualifiers

Data for all samples and analytes were assessed for compliance with each of the requirements described in Section 1. Data qualifiers were assigned, as necessary, to alert the user to instances where data did not meet all requirements. In cases where more than one QC failure occurred, the most restrictive data qualifier has been applied to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier considering the project's data quality objectives. Should questions arise regarding the data, contact Chris Pace at the Region 10 Laboratory, phone number (360) 871-8703.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; however, the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte cannot be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification.



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : BFP-038A
Site : FORMER WESTERN STATES PLYWOOD COOPERATIVE MILL
Contact : Brandon Perkins
Account : 20202021B10P000D43G000BZ00

Sample : 20375600

Information : SL01GP01
Matrix : Soil
Collected : 9/9/2020 9:58:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.1	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/22/20	1

Sample : 20375602

Information : SL02GP01
Matrix : Soil
Collected : 9/9/2020 11:17:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	6.9	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	91	%Rec		9/22/20	1

Sample : 20375608

Information : SL05GP01
Matrix : Soil
Collected : 9/9/2020 3:51:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.6	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	89	%Rec		9/22/20	1

Sample : 20375609

Information : SL05GP02
Matrix : Soil
Collected : 9/9/2020 4:07:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	6.8	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/23/20	1

Sample : 20375610

Information : SL06GP01
Matrix : Soil
Collected : 9/9/2020 5:04:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.2	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	85	%Rec		9/23/20	1

Sample : 20375611

Information : SL06GP02
Matrix : Soil
Collected : 9/9/2020 5:24:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	7.8	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/23/20	1

Sample : 20375612

Information : SL07GP01
Matrix : Soil
Collected : 9/10/2020 8:42:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	9.3	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/23/20	1

Sample : 20375613

Information : SL07GP02
Matrix : Soil
Collected : 9/10/2020 10:24:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	6.4	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	85	%Rec		9/23/20	1

Sample : 20375614

Information : SL08TP01
Matrix : Soil
Collected : 9/9/2020 1:45:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	11	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	88	%Rec		9/23/20	1

Sample : 20375615

Information : SL08TP02
Matrix : Soil
Collected : 9/9/2020 2:11:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.0	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/23/20	1

Sample : 20375617

Information : OP01TP03
Matrix : Soil
Collected : 9/11/2020 2:13:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	20	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	89	%Rec		9/23/20	1

Sample : 20375620

Information : SL11TP01
Matrix : Soil
Collected : 9/11/2020 10:48:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	33	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	85	%Rec		9/23/20	1

Sample : 20375621

Information : SL11TP02
Matrix : Soil
Collected : 9/11/2020 11:33:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	22	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/23/20	1

Sample : 20375622

Information : SL12TP01
Matrix : Soil
Collected : 9/11/2020 10:03:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	7.3	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/23/20	1

Sample : 20375623

Information : SL12TP02
Matrix : Soil
Collected : 9/11/2020 10:14:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	6.7	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	84	%Rec		9/23/20	1

Sample : 20375624

Information : SL13TP01
Matrix : Soil
Collected : 9/11/2020 12:59:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	16	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	81	%Rec		9/24/20	1

Sample : 20375625

Information : SL13TP02
Matrix : Soil
Collected : 9/11/2020 12:51:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	17	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	84	%Rec		9/24/20	1

Sample : 20375626

Information : SL14GP01
Matrix : Soil
Collected : 9/10/2020 1:54:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	9.4	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	97	%Rec		9/24/20	1

Sample : 20375627

Information : SL14GP02
Matrix : Soil
Collected : 9/10/2020 4:25:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.7	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	82	%Rec		9/24/20	1

Sample : 20375628

Information : SL15GP01
Matrix : Soil
Collected : 9/11/2020 9:16:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	10	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	81	%Rec		9/24/20	1

Sample : 20375629

Information : SL15GP02
Matrix : Soil
Collected : 9/11/2020 9:53:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	6.3	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	85	%Rec		9/24/20	1

Sample : 20375630

Information : SL16TP01
Matrix : Soil
Collected : 9/10/2020 9:25:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	20	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	90	%Rec		9/24/20	1

Sample : 20375631

Information : SL16TP02
Matrix : Soil
Collected : 9/10/2020 10:12:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	10	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	88	%Rec		9/24/20	1

Sample : 20375632

Information : SL17GP01
Matrix : Soil
Collected : 9/11/2020 10:30:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	11	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	83	%Rec		9/24/20	1

Sample : 20375633

Information : SL17GP02
Matrix : Soil
Collected : 9/11/2020 12:37:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	5.4	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	83	%Rec		9/24/20	1

Sample : 20375634

Information : SL18GP01
Matrix : Soil
Collected : 9/12/2020 8:52:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	7.6	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	84	%Rec		9/24/20	1

Sample : 20375635

Information : SL18GP02
Matrix : Soil
Collected : 9/12/2020 9:38:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.3	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	81	%Rec		9/24/20	1

Sample : 20375636

Information : SL19TP01
Matrix : Soil
Collected : 9/9/2020 3:14:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	14	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/24/20	1

Sample : 20375637

Information : SL19TP02
Matrix : Soil
Collected : 9/9/2020 3:45:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	13	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/24/20	1

Sample : 20375638

Information : SL20GP01
Matrix : Soil
Collected : 9/11/2020 1:40:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	9.8	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	83	%Rec		9/25/20	1

Sample : 20375640

Information : SL21GP01
Matrix : Soil
Collected : 9/12/2020 10:10:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	11	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/25/20	1

Sample : 20375642

Information : SL22GP01
Matrix : Soil
Collected : 9/12/2020 10:44:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	13	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	82	%Rec		9/25/20	1

Sample : 20375663

Information : SL16TP03
Matrix : Soil
Collected : 9/10/2020 9:47:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	9.3	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	81	%Rec		9/25/20	1

Sample : 20375664

Information : SL16TP04
Matrix : Soil
Collected : 9/10/2020 10:25:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.7	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	84	%Rec		9/25/20	1

Sample : 20375665

Information : OP01TP01
Matrix : Soil
Collected : 9/11/2020 1:25:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	13	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	83	%Rec		9/25/20	1

Sample : 20375666

Information : OP01TP02
Matrix : Soil
Collected : 9/11/2020 1:45:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
***90209**	**TPH-Gx Gasoline Range Organics**	**180**	**mg/Kg**		9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	89	%Rec		9/25/20	1

Sample : 20375677

Information : SL01GW
Matrix : Water
Collected : 9/9/2020 12:32:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	94	%Rec		9/18/20	1

Sample : 20375685

Information : SL05GW
Matrix : Water
Collected : 9/9/2020 5:51:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	91	%Rec		9/18/20	1

Sample : 20375687

Information : SL06GW
Matrix : Water
Collected : 9/10/2020 9:34:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	90	%Rec		9/18/20	1

Sample : 20375689

Information : SL07GW
Matrix : Water
Collected : 9/10/2020 12:17:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	86	%Rec		9/18/20	1

Sample : 20375703

Information : SL15GW
Matrix : Water
Collected : 9/11/2020 11:16:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/18/20	1

Sample : 20375707

Information : SL18GW
Matrix : Water
Collected : 9/12/2020 11:10:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/18/20	1

Sample : 20375709

Information : SL20GW
Matrix : Water
Collected : 9/11/2020 3:34:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	88	%Rec		9/18/20	1

Sample : 20375711

Information : SL21GW
Matrix : Water
Collected : 9/12/2020 12:40:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	89	%Rec		9/18/20	1

Sample : 20375713

Information : SL22GW
Matrix : Water
Collected : 9/12/2020 2:00:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	89	%Rec		9/18/20	1

Sample : 20375735

Information : TB01WT
Matrix : Water
Collected : 9/10/2020 4:47:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	91	%Rec		9/18/20	1

Sample : 20385601

Information : OP01GP01
Matrix : Soil
Collected : 9/13/2020 10:20:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	7.9	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/25/20	1

Sample : 20385679

Information : EW01GW
Matrix : Water
Collected : 9/14/2020 2:05:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	91	%Rec		9/18/20	1

Sample : 20385693

Information : TP11GW
Matrix : Water
Collected : 9/13/2020 11:06:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	87	%Rec		9/18/20	1

Sample : 20385695

Information : TP12GW
Matrix : Water
Collected : 9/13/2020 2:22:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	92	%Rec		9/18/20	1

Sample : 20385697

Information : TP13GW
Matrix : Water
Collected : 9/14/2020 12:24:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/19/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	93	%Rec		9/19/20	1

Sample : 20385699

Information : EW02GW
Matrix : Water
Collected : 9/14/2020 3:35:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/19/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	93	%Rec		9/19/20	1

Sample : 20385727

Information : ID01WT
Matrix : Water
Collected : 9/15/2020 10:00:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
***90209**	**TPH-Gx Gasoline Range Organics**	**300**	**ug/L**		9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	103	%Rec		9/18/20	1

Sample : 20385728

Information : RI01WT
Matrix : Water
Collected : 9/14/2020 4:55:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	92	%Rec		9/18/20	1

Sample : 20385729

Information : RI02WT
Matrix : Water
Collected : 9/14/2020 5:00:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	94	%Rec		9/18/20	1

Sample : 20385730

Information : RI03WT
Matrix : Water
Collected : 9/14/2020 5:05:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	99	%Rec		9/18/20	1

Sample : 20385734

Information : OP01GW
Matrix : Water
Collected : 9/13/2020 12:51:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
***90209**	**TPH-Gx Gasoline Range Organics**	**140**	**ug/L**		9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	96	%Rec		9/18/20	1

Sample : 20375620 Sample Duplicate

Information : SL11TP01
Matrix : Soil
Collected : 9/11/2020 10:48:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	17	mg/Kg	U	9/23/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	89	%Rec		9/23/20	1

Sample : 20375634 Sample Duplicate

Information : SL18GP01
Matrix : Soil
Collected : 9/12/2020 8:52:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	7.6	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	81	%Rec		9/24/20	1

Sample : 20375635 Sample Duplicate

Information : SL18GP02
Matrix : Soil
Collected : 9/12/2020 9:38:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	8.0	mg/Kg	U	9/24/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	82	%Rec		9/24/20	1

Sample : 20375638 Sample Duplicate

Information : SL20GP01
Matrix : Soil
Collected : 9/11/2020 1:40:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	9.3	mg/Kg	U	9/25/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	84	%Rec		9/25/20	1

Sample : 20375687 Sample Duplicate

Information : SL06GW
Matrix : Water
Collected : 9/10/2020 9:34:00AM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	95	%Rec		9/18/20	1

Sample : 20385695 Sample Duplicate

Information : TP12GW
Matrix : Water
Collected : 9/13/2020 2:22:00PM

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/19/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	93	%Rec		9/19/20	1

Sample : TS092220B1 Blank

Information : Blank
Matrix : Solid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	5.0	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	92	%Rec		9/22/20	1

Sample : TS092220B2 Blank

Information : Blank
Matrix : Solid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	5.0	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	92	%Rec		9/22/20	1

Sample : TW091820B1 Blank

Information : Blank
Matrix : Liquid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*90209	TPH-Gx Gasoline Range Organics	50	ug/L	U	9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	97	%Rec		9/18/20	1

Sample : TS092220L1 Lab Control Std

Information : Lab Control Standard
Matrix : Solid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*90209	TPH-Gx Gasoline Range Organics	98	%Rec		9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	95	%Rec		9/22/20	1

Sample : TS092220L3 Lab Control Std

Information : Lab Control Standard
Matrix : Solid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*90209	TPH-Gx Gasoline Range Organics	97	%Rec		9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	94	%Rec		9/22/20	1

Sample : TW091820L1 Lab Control Std

Information : Lab Control Standard
Matrix : Liquid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*90209	TPH-Gx Gasoline Range Organics	102	%Rec		9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	102	%Rec		9/18/20	1

Sample : TS092220L2 Lab Control Std#2

Information : Lab Control Standard Dup.
Matrix : Solid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*90209	TPH-Gx Gasoline Range Organics	98	%Rec		9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	94	%Rec		9/22/20	1

Sample : TS092220L4 Lab Control Std#2

Information : Lab Control Standard Dup.
Matrix : Solid

Parameter : TPH-Gx
Prep Method: NWTPH-Gx - Gasoline range organics
Analysis Method: NWTPH-Gx - Gasoline range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*90209	TPH-Gx Gasoline Range Organics	93	%Rec		9/22/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	90	%Rec		9/22/20	1

Sample : TW091820L2 Lab Control Std#2

Information : Lab Control Standard Dup.

Matrix : Liquid

Parameter : TPH-Gx

Prep Method: NWTPH-Gx - Gasoline range organics

Analysis Method: NWTPH-Gx - Gasoline range organics

Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*90209	TPH-Gx Gasoline Range Organics	95	%Rec		9/18/20	1
Surrogate Compounds:						
540363	Benzene, 1,4-difluoro-	99	%Rec		9/18/20	1

MEMORANDUM

DATE: November 11, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Validation Memorandum, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 10 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. Analysis for Semivolatile Organic Compounds (SVOCs) and SVOC-SIM (EPA Methods 8270) was performed by ALS Environmental, Inc., Kelso, Washington. All sample analyses were evaluated following EPA's Stage 2B and/or 4 Data Validation Manual Process (S2B/4VM).

The samples were numbered:

20375667	20375674	20385668	20385669	20385670
20385671	20385672	20385673	20385675	20385676

Data Qualifications:

1. Sample Holding Times: Satisfactory.

The samples were maintained and received within the QC limits of 0°C to 6°C. The samples were collected between September 12 and 13, 2020, were extracted by October 9, 2020, and were analyzed by November 3, 2020, therefore exceeding holding time criteria of less than 14 days between collection and extraction and less than 40 days between extraction and analysis. Associated positive results and sample quantitation limits were qualified as estimated quantities (J or UJ).

2. Tuning: Acceptable.

Tuning was performed at the beginning of each 12-hour analysis sequence. All results were within QC limits.

3. Initial Calibration: Acceptable.

All average Relative Response Factors (RRFs) were within the QC limits. All Relative Standard Deviations (RSDs) were within the QC limits.

4. Continuing Calibration: Satisfactory.

All RRFs were within the QC limits. All % differences were within the QC limits except aniline with a high recovery; associated positive sample results were qualified as estimated quantities (J).

5. Blanks: Satisfactory.

A method blank was analyzed for each 20-sample batch per matrix. There were no detections in any method blank except the following in the SIM method blank (all units ug/kg) - anthracene (0.41), benzo(a)anthracene (0.75), chrysene (0.33), dibenzofuran (0.64), fluoranthene (2.6), naphthalene (0.68), phenanthrene (3), and pyrene (1.4). Associated sample results less than the method reporting limit were qualified as not detected at the listed result (U).

6. System Monitoring Compounds (SMCs): Acceptable.

All SMC recoveries were within QC limits.

7. Matrix Spike (MS)/MS Duplicate (MSD) Analysis: Satisfactory.

MS and MSD analyses were performed per SDG or per matrix per concentration level, whichever was more frequent. All recoveries were within QC limits except benzoic acid with low MS and MSD recoveries; no qualifiers were applied based on these outliers alone.

8. Blank Spike (BS)/BS Duplicate (BSD) Analysis: Satisfactory.

BS and BSD analyses were performed per SDG or per matrix per concentration level, whichever was more frequent. All recoveries were within QC limits except acenaphthylene, anthracene, benzo(a) anthracene with high recoveries (associated positive results were qualified as estimated quantities [J]) and benzoic acid with a low recovery (associated positive results and sample quantitation limits were qualified as estimated quantities [J or UJ]).

9. Duplicate Analysis: Satisfactory.

Duplicate and spike duplicate analyses were performed per SDG or per matrix per concentration level, whichever was more frequent. All duplicate and spike duplicate results were within QC limits except 2,4-dinitrophenol and 4-nitrophenol. No qualifiers were applied based on duplicate outliers alone.

10. Internal Standards: Acceptable.

All internal standards (IS) were within $\pm$ 30 seconds of the continuing calibration IS retention times. All area counts were within 50 % to 200 % of the continuing calibration area counts.

11. Overall Assessment of Data for Use

A total of 850 results were validated in this data memorandum. No sample results were qualified as estimated quantities (J) based on duplicate precision outliers, incorrect sample containers, or sample temperature outliers. A total of 850 results were qualified as estimated quantities (J or UJ) based on holding time outliers. No sample results were rejected (R). No additional results were qualified as estimated quantities based on spike accuracy outliers. The following potential contaminants of concern were detected in the laboratory blanks and potentially affect sample results: anthracene, benzo(a)anthracene, chrysene, dibenzofuran, fluoranthene, naphthalene, phenanthrene, and pyrene.

The overall usefulness of the data is based on the criteria outlined in the Site-Specific Sampling Plan and/or Sampling and Quality Assurance Plan, the analytical method(s), the EPA Region 10 Emergency Management Program SOG 144E Analytical Data Validation, and/or the Office of Emergency and Remedial Response Publication "National Functional Guidelines for Superfund Organic Methods Data Review, January 2017". Based upon the information provided, the data are acceptable for use with the above stated data qualifications.

Data Qualifiers and Definitions

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Q - The result is estimated because the result is less than the method reporting limit.

R - The data is rejected and unusable. The analyte may or may not be present in the sample.

U - The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

UJ - The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 17:10
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375667	**Units:**	mg/Kg
Lab Code:	K2008022-001	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
1,2-Dichlorobenzene	ND U	0.97	0.023	1	11/03/20 17:19	10/29/20	*
1,3-Dichlorobenzene	ND U	0.97	0.025	1	11/03/20 17:19	10/29/20	*
1,4-Dichlorobenzene	ND U	0.97	0.025	1	11/03/20 17:19	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.97	0.025	1	11/03/20 17:19	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.97	0.042	1	11/03/20 17:19	10/29/20	*
2,4-Dichlorophenol	ND U	0.97	0.023	1	11/03/20 17:19	10/29/20	*
2,4-Dimethylphenol	ND U	0.97	0.11	1	11/03/20 17:19	10/29/20	*
2,4-Dinitrophenol	ND U	5.9	0.42	1	11/03/20 17:19	10/29/20	*
2,4-Dinitrotoluene	ND U	0.97	0.044	1	11/03/20 17:19	10/29/20	*
2,6-Dinitrotoluene	ND U	0.97	0.022	1	11/03/20 17:19	10/29/20	*
2-Chloronaphthalene	ND U	0.97	0.030	1	11/03/20 17:19	10/29/20	*
2-Chlorophenol	ND U	0.97	0.026	1	11/03/20 17:19	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	5.9	0.094	1	11/03/20 17:19	10/29/20	*
2-Methylnaphthalene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
2-Methylphenol	ND U	0.97	0.044	1	11/03/20 17:19	10/29/20	*
2-Nitroaniline	ND U	0.97	0.13	1	11/03/20 17:19	10/29/20	*
2-Nitrophenol	ND U	0.97	0.042	1	11/03/20 17:19	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.97	0.080	1	11/03/20 17:19	10/29/20	*
3-Nitroaniline	ND U	0.97	0.024	1	11/03/20 17:19	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.97	0.039	1	11/03/20 17:19	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.97	0.47	1	11/03/20 17:19	10/29/20	*
4-Chloroaniline	ND U	0.97	0.021	1	11/03/20 17:19	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.97	0.025	1	11/03/20 17:19	10/29/20	*
4-Methylphenol	ND U	0.97	0.030	1	11/03/20 17:19	10/29/20	*
4-Nitroaniline	0.44 J	5.9	0.030	1	11/03/20 17:19	10/29/20	*
4-Nitrophenol	ND U	5.9	0.15	1	11/03/20 17:19	10/29/20	*
Acenaphthene	ND U	0.97	0.028	1	11/03/20 17:19	10/29/20	*
Acenaphthylene	ND U	0.97	0.021	1	11/03/20 17:19	10/29/20	*
Aniline	ND U	2.9	0.036	1	11/03/20 17:19	10/29/20	*
Anthracene	ND U	0.97	0.026	1	11/03/20 17:19	10/29/20	*
Benz(a)anthracene	ND U	0.97	0.027	1	11/03/20 17:19	10/29/20	*
Benzo(a)pyrene	ND U	0.97	0.047	1	11/03/20 17:19	10/29/20	*
Benzo(b)fluoranthene	ND U	0.97	0.036	1	11/03/20 17:19	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
Benzo(k)fluoranthene	ND U	0.97	0.042	1	11/03/20 17:19	10/29/20	*
Benzoic Acid	ND U	5.9	0.42	1	11/03/20 17:19	10/29/20	*
Benzyl Alcohol	ND U	0.97	0.022	1	11/03/20 17:19	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.97	0.028	1	11/03/20 17:19	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.97	0.025	1	11/03/20 17:19	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.025 J	0.97	0.021	1	11/03/20 17:19	10/29/20	*
Butyl Benzyl Phthalate	0.086 J	0.97	0.044	1	11/03/20 17:19	10/29/20	*
Chrysene	ND U	0.97	0.042	1	11/03/20 17:19	10/29/20	*

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 17:10
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375667	**Units:**	mg/Kg
Lab Code:	K2008022-001	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.97	0.042	1	11/03/20 17:19	10/29/20	*
Dibenzofuran	ND U	0.97	0.029	1	11/03/20 17:19	10/29/20	*
Diethyl Phthalate	ND U	0.97	0.024	1	11/03/20 17:19	10/29/20	*
Dimethyl Phthalate	ND U	0.97	0.023	1	11/03/20 17:19	10/29/20	*
Di-n-butyl Phthalate	ND U	0.97	0.044	1	11/03/20 17:19	10/29/20	*
Di-n-octyl Phthalate	ND U	0.98	0.030	1	11/03/20 17:19	10/29/20	*
Fluoranthene	ND U	0.97	0.036	1	11/03/20 17:19	10/29/20	*
Fluorene	ND U	0.97	0.039	1	11/03/20 17:19	10/29/20	*
Hexachlorobenzene	ND U	0.97	0.047	1	11/03/20 17:19	10/29/20	*
Hexachlorobutadiene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.98	0.071	1	11/03/20 17:19	10/29/20	*
Hexachloroethane	ND U	0.97	0.024	1	11/03/20 17:19	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
Isophorone	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
Naphthalene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
Nitrobenzene	0.043 J	0.97	0.033	1	11/03/20 17:19	10/29/20	*
N-Nitrosodimethylamine	ND U	5.9	0.88	1	11/03/20 17:19	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.97	0.022	1	11/03/20 17:19	10/29/20	*
Pentachlorophenol	ND U	5.9	0.19	1	11/03/20 17:19	10/29/20	*
Phenanthrene	ND U	0.97	0.033	1	11/03/20 17:19	10/29/20	*
Phenol	ND U	0.97	0.056	1	11/03/20 17:19	10/29/20	*
Pyrene	ND U	0.97	0.029	1	11/03/20 17:19	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.97	0.024	1	11/03/20 17:19	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	59	35 - 118	11/03/20 17:19	
2-Fluorobiphenyl	61	37 - 103	11/03/20 17:19	
2-Fluorophenol	58	30 - 98	11/03/20 17:19	
Nitrobenzene-d5	63	36 - 112	11/03/20 17:19	
Phenol-d6	65	31 - 103	11/03/20 17:19	
Terphenyl-d14	73	18 - 127	11/03/20 17:19	

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dba ALS Environmental

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 15:40
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375674	**Units:**	mg/Kg
Lab Code:	K2008022-002	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
1,2-Dichlorobenzene	ND U	0.97	0.023	1	11/03/20 18:37	10/29/20	*
1,3-Dichlorobenzene	ND U	0.97	0.025	1	11/03/20 18:37	10/29/20	*
1,4-Dichlorobenzene	ND U	0.97	0.025	1	11/03/20 18:37	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.97	0.025	1	11/03/20 18:37	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.97	0.041	1	11/03/20 18:37	10/29/20	*
2,4-Dichlorophenol	ND U	0.97	0.023	1	11/03/20 18:37	10/29/20	*
2,4-Dimethylphenol	ND U	0.97	0.11	1	11/03/20 18:37	10/29/20	*
2,4-Dinitrophenol	ND U	5.9	0.41	1	11/03/20 18:37	10/29/20	*
2,4-Dinitrotoluene	ND U	0.97	0.044	1	11/03/20 18:37	10/29/20	*
2,6-Dinitrotoluene	ND U	0.97	0.022	1	11/03/20 18:37	10/29/20	*
2-Chloronaphthalene	ND U	0.97	0.030	1	11/03/20 18:37	10/29/20	*
2-Chlorophenol	ND U	0.97	0.026	1	11/03/20 18:37	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	5.9	0.094	1	11/03/20 18:37	10/29/20	*
2-Methylnaphthalene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
2-Methylphenol	ND U	0.97	0.044	1	11/03/20 18:37	10/29/20	*
2-Nitroaniline	ND U	0.97	0.13	1	11/03/20 18:37	10/29/20	*
2-Nitrophenol	ND U	0.97	0.041	1	11/03/20 18:37	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.97	0.080	1	11/03/20 18:37	10/29/20	*
3-Nitroaniline	ND U	0.97	0.024	1	11/03/20 18:37	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.97	0.039	1	11/03/20 18:37	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.97	0.47	1	11/03/20 18:37	10/29/20	*
4-Chloroaniline	ND U	0.97	0.021	1	11/03/20 18:37	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.97	0.025	1	11/03/20 18:37	10/29/20	*
4-Methylphenol	ND U	0.97	0.030	1	11/03/20 18:37	10/29/20	*
4-Nitroaniline	ND U	5.9	0.029	1	11/03/20 18:37	10/29/20	*
4-Nitrophenol	ND U	5.9	0.15	1	11/03/20 18:37	10/29/20	*
Acenaphthene	ND U	0.97	0.028	1	11/03/20 18:37	10/29/20	*
Acenaphthylene	ND U	0.97	0.021	1	11/03/20 18:37	10/29/20	*
Aniline	ND U	2.9	0.036	1	11/03/20 18:37	10/29/20	*
Anthracene	ND U	0.97	0.026	1	11/03/20 18:37	10/29/20	*
Benz(a)anthracene	ND U	0.97	0.027	1	11/03/20 18:37	10/29/20	*
Benzo(a)pyrene	ND U	0.97	0.047	1	11/03/20 18:37	10/29/20	*
Benzo(b)fluoranthene	ND U	0.97	0.036	1	11/03/20 18:37	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
Benzo(k)fluoranthene	ND U	0.97	0.041	1	11/03/20 18:37	10/29/20	*
Benzoic Acid	ND U	5.9	0.41	1	11/03/20 18:37	10/29/20	*
Benzyl Alcohol	ND U	0.97	0.022	1	11/03/20 18:37	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.97	0.028	1	11/03/20 18:37	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.97	0.024	1	11/03/20 18:37	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.027 J Q	0.97	0.021	1	11/03/20 18:37	10/29/20	*
Butyl Benzyl Phthalate	0.11 J Q	0.97	0.044	1	11/03/20 18:37	10/29/20	*
Chrysene	ND U	0.97	0.041	1	11/03/20 18:37	10/29/20	*

11/10/20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 15:40
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375674	**Units:**	mg/Kg
Lab Code:	K2008022-002	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.97	0.041	1	11/03/20 18:37	10/29/20	*
Dibenzofuran	ND U	0.97	0.029	1	11/03/20 18:37	10/29/20	*
Diethyl Phthalate	ND U	0.97	0.024	1	11/03/20 18:37	10/29/20	*
Dimethyl Phthalate	ND U	0.97	0.023	1	11/03/20 18:37	10/29/20	*
Di-n-butyl Phthalate	ND U	0.97	0.044	1	11/03/20 18:37	10/29/20	*
Di-n-octyl Phthalate	ND U	0.98	0.030	1	11/03/20 18:37	10/29/20	*
Fluoranthene	ND U	0.97	0.036	1	11/03/20 18:37	10/29/20	*
Fluorene	ND U	0.97	0.039	1	11/03/20 18:37	10/29/20	*
Hexachlorobenzene	ND U	0.97	0.047	1	11/03/20 18:37	10/29/20	*
Hexachlorobutadiene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.98	0.071	1	11/03/20 18:37	10/29/20	*
Hexachloroethane	ND U	0.97	0.024	1	11/03/20 18:37	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
Isophorone	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
Naphthalene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
Nitrobenzene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
N-Nitrosodimethylamine	ND U	5.9	0.88	1	11/03/20 18:37	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.97	0.022	1	11/03/20 18:37	10/29/20	*
Pentachlorophenol	ND U	5.9	0.19	1	11/03/20 18:37	10/29/20	*
Phenanthrene	ND U	0.97	0.033	1	11/03/20 18:37	10/29/20	*
Phenol	ND U	0.97	0.056	1	11/03/20 18:37	10/29/20	*
Pyrene	ND U	0.97	0.029	1	11/03/20 18:37	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.97	0.024	1	11/03/20 18:37	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	46	35 - 118	11/03/20 18:37	
2-Fluorobiphenyl	47	37 - 103	11/03/20 18:37	
2-Fluorophenol	45	30 - 98	11/03/20 18:37	
Nitrobenzene-d5	51	36 - 112	11/03/20 18:37	
Phenol-d6	54	31 - 103	11/03/20 18:37	
Terphenyl-d14	59	18 - 127	11/03/20 18:37	

11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 15:26
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385668	**Units:**	mg/Kg
Lab Code:	K2008022-003	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	*
1,2-Dichlorobenzene	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	*
1,3-Dichlorobenzene	ND U	0.96	0.025	1	11/03/20 16:02	10/29/20	*
1,4-Dichlorobenzene	ND U	0.96	0.025	1	11/03/20 16:02	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.96	0.025	1	11/03/20 16:02	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.96	0.041	1	11/03/20 16:02	10/29/20	*
2,4-Dichlorophenol	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	*
2,4-Dimethylphenol	ND U	0.96	0.11	1	11/03/20 16:02	10/29/20	*
2,4-Dinitrophenol	ND U	5.8	0.41	1	11/03/20 16:02	10/29/20	*
2,4-Dinitrotoluene	ND U	0.96	0.044	1	11/03/20 16:02	10/29/20	*
2,6-Dinitrotoluene	ND U	0.96	0.022	1	11/03/20 16:02	10/29/20	*
2-Chloronaphthalene	ND U	0.96	0.029	1	11/03/20 16:02	10/29/20	*
2-Chlorophenol	ND U	0.96	0.025	1	11/03/20 16:02	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	5.8	0.093	1	11/03/20 16:02	10/29/20	*
2-Methylnaphthalene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	*
2-Methylphenol	ND U	0.96	0.044	1	11/03/20 16:02	10/29/20	*
2-Nitroaniline	ND U	0.96	0.13	1	11/03/20 16:02	10/29/20	*
2-Nitrophenol	ND U	0.96	0.041	1	11/03/20 16:02	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.96	0.079	1	11/03/20 16:02	10/29/20	*
3-Nitroaniline	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.96	0.038	1	11/03/20 16:02	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.96	0.47	1	11/03/20 16:02	10/29/20	*
4-Chloroaniline	ND U	0.96	0.021	1	11/03/20 16:02	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.96	0.025	1	11/03/20 16:02	10/29/20	*
4-Methylphenol	ND U	0.96	0.029	1	11/03/20 16:02	10/29/20	*
4-Nitroaniline	ND U	5.8	0.029	1	11/03/20 16:02	10/29/20	*
4-Nitrophenol	ND U	5.8	0.15	1	11/03/20 16:02	10/29/20	*
Acenaphthene	ND U	0.96	0.027	1	11/03/20 16:02	10/29/20	*
Acenaphthylene	ND U	0.96	0.021	1	11/03/20 16:02	10/29/20	*
Aniline	ND U	2.9	0.035	1	11/03/20 16:02	10/29/20	*
Anthracene	ND U	0.96	0.025	1	11/03/20 16:02	10/29/20	*
Benz(a)anthracene	ND U	0.96	0.027	1	11/03/20 16:02	10/29/20	*
Benzo(a)pyrene	ND U	0.96	0.047	1	11/03/20 16:02	10/29/20	*
Benzo(b)fluoranthene	ND U	0.96	0.035	1	11/03/20 16:02	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	*
Benzo(k)fluoranthene	ND U	0.96	0.041	1	11/03/20 16:02	10/29/20	*
Benzoic Acid	ND U	5.8	0.41	1	11/03/20 16:02	10/29/20	*
Benzyl Alcohol	ND U	0.96	0.022	1	11/03/20 16:02	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.96	0.028	1	11/03/20 16:02	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.96	0.024	1	11/03/20 16:02	10/29/20	*
Bis(2-ethylhexyl) Phthalate	ND U	0.96	0.021	1	11/03/20 16:02	10/29/20	*
Butyl Benzyl Phthalate	0.082 J	0.96	0.044	1	11/03/20 16:02	10/29/20	*
Chrysene	ND U	0.96	0.041	1	11/03/20 16:02	10/29/20	*

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 15:26
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385668	**Units:**	mg/Kg
Lab Code:	K2008022-003	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.96	0.041	1	11/03/20 16:02	10/29/20	
Dibenzofuran	ND U	0.96	0.029	1	11/03/20 16:02	10/29/20	
Diethyl Phthalate	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	
Dimethyl Phthalate	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	
Di-n-butyl Phthalate	ND U	0.96	0.044	1	11/03/20 16:02	10/29/20	
Di-n-octyl Phthalate	ND U	0.97	0.029	1	11/03/20 16:02	10/29/20	
Fluoranthene	ND U	0.96	0.035	1	11/03/20 16:02	10/29/20	
Fluorene	ND U	0.96	0.038	1	11/03/20 16:02	10/29/20	
Hexachlorobenzene	ND U	0.96	0.047	1	11/03/20 16:02	10/29/20	
Hexachlorobutadiene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
Hexachlorocyclopentadiene	ND U	0.97	0.070	1	11/03/20 16:02	10/29/20	
Hexachloroethane	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	
Indeno(1,2,3-cd)pyrene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
Isophorone	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
Naphthalene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
Nitrobenzene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
N-Nitrosodimethylamine	ND U	5.8	0.87	1	11/03/20 16:02	10/29/20	
N-Nitrosodi-n-propylamine	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
N-Nitrosodiphenylamine	ND U	0.96	0.022	1	11/03/20 16:02	10/29/20	
Pentachlorophenol	ND U	5.8	0.19	1	11/03/20 16:02	10/29/20	
Phenanthrene	ND U	0.96	0.032	1	11/03/20 16:02	10/29/20	
Phenol	ND U	0.96	0.056	1	11/03/20 16:02	10/29/20	
Pyrene	ND U	0.96	0.028	1	11/03/20 16:02	10/29/20	
2,2'-Oxybis(1-chloropropane)	ND U	0.96	0.023	1	11/03/20 16:02	10/29/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	66	35 - 118	11/03/20 16:02	
2-Fluorobiphenyl	64	37 - 103	11/03/20 16:02	
2-Fluorophenol	60	30 - 98	11/03/20 16:02	
Nitrobenzene-d5	69	36 - 112	11/03/20 16:02	
Phenol-d6	71	31 - 103	11/03/20 16:02	
Terphenyl-d14	88	18 - 127	11/03/20 16:02	

11-7-2020

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 14:48
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385669	**Units:**	mg/Kg
Lab Code:	K2008022-004	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	
1,2-Dichlorobenzene	ND U	0.98	0.024	1	11/03/20 16:21	10/29/20	
1,3-Dichlorobenzene	ND U	0.98	0.025	1	11/03/20 16:21	10/29/20	
1,4-Dichlorobenzene	ND U	0.98	0.025	1	11/03/20 16:21	10/29/20	
2,4,5-Trichlorophenol	ND U	0.98	0.025	1	11/03/20 16:21	10/29/20	
2,4,6-Trichlorophenol	ND U	0.98	0.042	1	11/03/20 16:21	10/29/20	
2,4-Dichlorophenol	ND U	0.98	0.023	1	11/03/20 16:21	10/29/20	
2,4-Dimethylphenol	ND U	0.98	0.11	1	11/03/20 16:21	10/29/20	
2,4-Dinitrophenol	ND U	5.9	0.42	1	11/03/20 16:21	10/29/20	
2,4-Dinitrotoluene	ND U	0.98	0.045	1	11/03/20 16:21	10/29/20	
2,6-Dinitrotoluene	ND U	0.98	0.022	1	11/03/20 16:21	10/29/20	
2-Chloronaphthalene	ND U	0.98	0.030	1	11/03/20 16:21	10/29/20	
2-Chlorophenol	ND U	0.98	0.026	1	11/03/20 16:21	10/29/20	
2-Methyl-4,6-dinitrophenol	ND U	5.9	0.095	1	11/03/20 16:21	10/29/20	
2-Methylnaphthalene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	
2-Methylphenol	ND U	0.98	0.045	1	11/03/20 16:21	10/29/20	
2-Nitroaniline	ND U	0.98	0.13	1	11/03/20 16:21	10/29/20	
2-Nitrophenol	ND U	0.98	0.042	1	11/03/20 16:21	10/29/20	
3,3'-Dichlorobenzidine	ND U	0.98	0.081	1	11/03/20 16:21	10/29/20	
3-Nitroaniline	ND U	0.98	0.024	1	11/03/20 16:21	10/29/20	
4-Bromophenyl Phenyl Ether	ND U	0.98	0.039	1	11/03/20 16:21	10/29/20	
4-Chloro-3-methylphenol	ND U	0.98	0.48	1	11/03/20 16:21	10/29/20	
4-Chloroaniline	ND U	0.98	0.021	1	11/03/20 16:21	10/29/20	
4-Chlorophenyl Phenyl Ether	ND U	0.98	0.026	1	11/03/20 16:21	10/29/20	
4-Methylphenol	ND U	0.98	0.030	1	11/03/20 16:21	10/29/20	
4-Nitroaniline	ND U	5.9	0.030	1	11/03/20 16:21	10/29/20	
4-Nitrophenol	ND U	5.9	0.15	1	11/03/20 16:21	10/29/20	
Acenaphthene	ND U	0.98	0.028	1	11/03/20 16:21	10/29/20	
Acenaphthylene	ND U	0.98	0.022	1	11/03/20 16:21	10/29/20	
Aniline	ND U	3.0	0.036	1	11/03/20 16:21	10/29/20	
Anthracene	ND U	0.98	0.026	1	11/03/20 16:21	10/29/20	
Benz(a)anthracene	0.030 J	0.98	0.027	1	11/03/20 16:21	10/29/20	
Benzo(a)pyrene	ND U	0.98	0.048	1	11/03/20 16:21	10/29/20	
Benzo(b)fluoranthene	ND U	0.98	0.036	1	11/03/20 16:21	10/29/20	
Benzo(g,h,i)perylene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	
Benzo(k)fluoranthene	ND U	0.98	0.042	1	11/03/20 16:21	10/29/20	
Benzoic Acid	ND U	5.9	0.42	1	11/03/20 16:21	10/29/20	
Benzyl Alcohol	ND U	0.98	0.022	1	11/03/20 16:21	10/29/20	
Bis(2-chloroethoxy)methane	ND U	0.98	0.028	1	11/03/20 16:21	10/29/20	
Bis(2-chloroethyl) Ether	ND U	0.98	0.025	1	11/03/20 16:21	10/29/20	
Bis(2-ethylhexyl) Phthalate	0.054 J	0.98	0.022	1	11/03/20 16:21	10/29/20	
Butyl Benzyl Phthalate	0.11 J	0.98	0.045	1	11/03/20 16:21	10/29/20	
Chrysene	ND U	0.98	0.042	1	11/03/20 16:21	10/29/20	

MW 11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 14:48
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385669	**Units:**	mg/Kg
Lab Code:	K2008022-004	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	0.058 J	0.98	0.042	1	11/03/20 16:21	10/29/20	*
Dibenzofuran	ND U	0.98	0.030	1	11/03/20 16:21	10/29/20	*
Diethyl Phthalate	ND U	0.98	0.024	1	11/03/20 16:21	10/29/20	*
Dimethyl Phthalate	ND U	0.98	0.023	1	11/03/20 16:21	10/29/20	*
Di-n-butyl Phthalate	0.047 J	0.98	0.045	1	11/03/20 16:21	10/29/20	*
Di-n-octyl Phthalate	ND U	0.99	0.030	1	11/03/20 16:21	10/29/20	*
Fluoranthene	ND U	0.98	0.036	1	11/03/20 16:21	10/29/20	*
Fluorene	ND U	0.98	0.039	1	11/03/20 16:21	10/29/20	*
Hexachlorobenzene	ND U	0.98	0.048	1	11/03/20 16:21	10/29/20	*
Hexachlorobutadiene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.99	0.072	1	11/03/20 16:21	10/29/20	*
Hexachloroethane	ND U	0.98	0.024	1	11/03/20 16:21	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
Isophorone	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
Naphthalene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
Nitrobenzene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
N-Nitrosodimethylamine	ND U	5.9	0.89	1	11/03/20 16:21	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.98	0.023	1	11/03/20 16:21	10/29/20	*
Pentachlorophenol	ND U	5.9	0.19	1	11/03/20 16:21	10/29/20	*
Phenanthrene	ND U	0.98	0.033	1	11/03/20 16:21	10/29/20	*
Phenol	ND U	0.98	0.057	1	11/03/20 16:21	10/29/20	*
Pyrene	ND U	0.98	0.029	1	11/03/20 16:21	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.98	0.024	1	11/03/20 16:21	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	68	35 - 118	11/03/20 16:21	
2-Fluorobiphenyl	65	37 - 103	11/03/20 16:21	
2-Fluorophenol	59	30 - 98	11/03/20 16:21	
Nitrobenzene-d5	67	36 - 112	11/03/20 16:21	
Phenol-d6	68	31 - 103	11/03/20 16:21	
Terphenyl-d14	88	18 - 127	11/03/20 16:21	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 16:41
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385670	**Units:**	mg/Kg
Lab Code:	K2008022-005	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
1,2-Dichlorobenzene	ND U	0.98	0.024	1	11/03/20 17:00	10/29/20	*
1,3-Dichlorobenzene	ND U	0.98	0.026	1	11/03/20 17:00	10/29/20	*
1,4-Dichlorobenzene	ND U	0.98	0.025	1	11/03/20 17:00	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.98	0.025	1	11/03/20 17:00	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.98	0.042	1	11/03/20 17:00	10/29/20	*
2,4-Dichlorophenol	ND U	0.98	0.023	1	11/03/20 17:00	10/29/20	*
2,4-Dimethylphenol	ND U	0.98	0.11	1	11/03/20 17:00	10/29/20	*
2,4-Dinitrophenol	ND U	6.0	0.42	1	11/03/20 17:00	10/29/20	*
2,4-Dinitrotoluene	ND U	0.98	0.045	1	11/03/20 17:00	10/29/20	*
2,6-Dinitrotoluene	ND U	0.98	0.022	1	11/03/20 17:00	10/29/20	*
2-Chloronaphthalene	ND U	0.98	0.030	1	11/03/20 17:00	10/29/20	*
2-Chlorophenol	ND U	0.98	0.026	1	11/03/20 17:00	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	6.0	0.096	1	11/03/20 17:00	10/29/20	*
2-Methylnaphthalene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
2-Methylphenol	ND U	0.98	0.045	1	11/03/20 17:00	10/29/20	*
2-Nitroaniline	ND U	0.98	0.13	1	11/03/20 17:00	10/29/20	*
2-Nitrophenol	ND U	0.98	0.042	1	11/03/20 17:00	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.98	0.081	1	11/03/20 17:00	10/29/20	*
3-Nitroaniline	ND U	0.98	0.024	1	11/03/20 17:00	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.98	0.039	1	11/03/20 17:00	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.98	0.48	1	11/03/20 17:00	10/29/20	*
4-Chloroaniline	ND U	0.98	0.021	1	11/03/20 17:00	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.98	0.026	1	11/03/20 17:00	10/29/20	*
4-Methylphenol	ND U	0.98	0.030	1	11/03/20 17:00	10/29/20	*
4-Nitroaniline	ND U	6.0	0.030	1	11/03/20 17:00	10/29/20	*
4-Nitrophenol	ND U	6.0	0.15	1	11/03/20 17:00	10/29/20	*
Acenaphthene	ND U	0.98	0.028	1	11/03/20 17:00	10/29/20	*
Acenaphthylene	ND U	0.98	0.022	1	11/03/20 17:00	10/29/20	*
Aniline	ND U	3.0	0.036	1	11/03/20 17:00	10/29/20	*
Anthracene	ND U	0.98	0.026	1	11/03/20 17:00	10/29/20	*
Benz(a)anthracene	ND U	0.98	0.028	1	11/03/20 17:00	10/29/20	*
Benzo(a)pyrene	ND U	0.98	0.048	1	11/03/20 17:00	10/29/20	*
Benzo(b)fluoranthene	ND U	0.98	0.036	1	11/03/20 17:00	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
Benzo(k)fluoranthene	ND U	0.98	0.042	1	11/03/20 17:00	10/29/20	*
Benzoic Acid	ND U	6.0	0.42	1	11/03/20 17:00	10/29/20	*
Benzyl Alcohol	ND U	0.98	0.022	1	11/03/20 17:00	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.98	0.029	1	11/03/20 17:00	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.98	0.025	1	11/03/20 17:00	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.036 J	0.98	0.022	1	11/03/20 17:00	10/29/20	*
Butyl Benzyl Phthalate	0.078 J	0.98	0.045	1	11/03/20 17:00	10/29/20	*
Chrysene	ND U	0.98	0.042	1	11/03/20 17:00	10/29/20	*

MW 11-20-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 16:41
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385670	**Units:**	mg/Kg
Lab Code:	K2008022-005	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.98	0.042	1	11/03/20 17:00	10/29/20	*
Dibenzofuran	ND U	0.98	0.030	1	11/03/20 17:00	10/29/20	*
Diethyl Phthalate	ND U	0.98	0.024	1	11/03/20 17:00	10/29/20	*
Dimethyl Phthalate	ND U	0.98	0.023	1	11/03/20 17:00	10/29/20	*
Di-n-butyl Phthalate	ND U	0.98	0.045	1	11/03/20 17:00	10/29/20	*
Di-n-octyl Phthalate	ND U	0.99	0.030	1	11/03/20 17:00	10/29/20	*
Fluoranthene	ND U	0.98	0.036	1	11/03/20 17:00	10/29/20	*
Fluorene	ND U	0.98	0.039	1	11/03/20 17:00	10/29/20	*
Hexachlorobenzene	ND U	0.98	0.048	1	11/03/20 17:00	10/29/20	*
Hexachlorobutadiene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.99	0.072	1	11/03/20 17:00	10/29/20	*
Hexachloroethane	ND U	0.98	0.024	1	11/03/20 17:00	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
Isophorone	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
Naphthalene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
Nitrobenzene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
N-Nitrosodimethylamine	ND U	6.0	0.90	1	11/03/20 17:00	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.98	0.023	1	11/03/20 17:00	10/29/20	*
Pentachlorophenol	ND U	6.0	0.19	1	11/03/20 17:00	10/29/20	*
Phenanthrene	ND U	0.98	0.033	1	11/03/20 17:00	10/29/20	*
Phenol	ND U	0.98	0.057	1	11/03/20 17:00	10/29/20	*
Pyrene	ND U	0.98	0.029	1	11/03/20 17:00	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.98	0.024	1	11/03/20 17:00	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	56	35 - 118	11/03/20 17:00	
2-Fluorobiphenyl	58	37 - 103	11/03/20 17:00	
2-Fluorophenol	55	30 - 98	11/03/20 17:00	
Nitrobenzene-d5	59	36 - 112	11/03/20 17:00	
Phenol-d6	63	31 - 103	11/03/20 17:00	
Terphenyl-d14	71	18 - 127	11/03/20 17:00	

MW 11020

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:04
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385671	**Units:**	mg/Kg
Lab Code:	K2008022-006	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	*
1,2-Dichlorobenzene	ND U	0.98	0.024	1	11/03/20 17:58	10/29/20	*
1,3-Dichlorobenzene	ND U	0.98	0.026	1	11/03/20 17:58	10/29/20	*
1,4-Dichlorobenzene	ND U	0.98	0.025	1	11/03/20 17:58	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.98	0.025	1	11/03/20 17:58	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.98	0.042	1	11/03/20 17:58	10/29/20	*
2,4-Dichlorophenol	ND U	0.98	0.023	1	11/03/20 17:58	10/29/20	*
2,4-Dimethylphenol	ND U	0.98	0.11	1	11/03/20 17:58	10/29/20	*
2,4-Dinitrophenol	ND U	6.0	0.42	1	11/03/20 17:58	10/29/20	*
2,4-Dinitrotoluene	ND U	0.98	0.045	1	11/03/20 17:58	10/29/20	*
2,6-Dinitrotoluene	ND U	0.98	0.022	1	11/03/20 17:58	10/29/20	*
2-Chloronaphthalene	ND U	0.98	0.030	1	11/03/20 17:58	10/29/20	*
2-Chlorophenol	ND U	0.98	0.026	1	11/03/20 17:58	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	6.0	0.096	1	11/03/20 17:58	10/29/20	*
2-Methylnaphthalene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	*
2-Methylphenol	ND U	0.98	0.045	1	11/03/20 17:58	10/29/20	*
2-Nitroaniline	ND U	0.98	0.13	1	11/03/20 17:58	10/29/20	*
2-Nitrophenol	ND U	0.98	0.042	1	11/03/20 17:58	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.98	0.081	1	11/03/20 17:58	10/29/20	*
3-Nitroaniline	ND U	0.98	0.024	1	11/03/20 17:58	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.98	0.039	1	11/03/20 17:58	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.98	0.48	1	11/03/20 17:58	10/29/20	*
4-Chloroaniline	ND U	0.98	0.021	1	11/03/20 17:58	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.98	0.026	1	11/03/20 17:58	10/29/20	*
4-Methylphenol	ND U	0.98	0.030	1	11/03/20 17:58	10/29/20	*
4-Nitroaniline	ND U	6.0	0.030	1	11/03/20 17:58	10/29/20	*
4-Nitrophenol	ND U	6.0	0.15	1	11/03/20 17:58	10/29/20	*
Acenaphthene	ND U	0.98	0.028	1	11/03/20 17:58	10/29/20	*
Acenaphthylene	ND U	0.98	0.022	1	11/03/20 17:58	10/29/20	*
Aniline	ND U	3.0	0.036	1	11/03/20 17:58	10/29/20	*
Anthracene	ND U	0.98	0.026	1	11/03/20 17:58	10/29/20	*
Benz(a)anthracene	ND U	0.98	0.028	1	11/03/20 17:58	10/29/20	*
Benzo(a)pyrene	ND U	0.98	0.048	1	11/03/20 17:58	10/29/20	*
Benzo(b)fluoranthene	ND U	0.98	0.036	1	11/03/20 17:58	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	*
Benzo(k)fluoranthene	ND U	0.98	0.042	1	11/03/20 17:58	10/29/20	*
Benzoic Acid	ND U	6.0	0.42	1	11/03/20 17:58	10/29/20	*
Benzyl Alcohol	ND U	0.98	0.022	1	11/03/20 17:58	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.98	0.029	1	11/03/20 17:58	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.98	0.025	1	11/03/20 17:58	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.079 J	0.98	0.022	1	11/03/20 17:58	10/29/20	*
Butyl Benzyl Phthalate	0.096 J	0.98	0.045	1	11/03/20 17:58	10/29/20	*
Chrysene	ND U	0.98	0.042	1	11/03/20 17:58	10/29/20	*

MW 11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:04
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385671	**Units:**	mg/Kg
Lab Code:	K2008022-006	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.98	0.042	1	11/03/20 17:58	10/29/20	
Dibenzofuran	ND U	0.98	0.030	1	11/03/20 17:58	10/29/20	
Diethyl Phthalate	ND U	0.98	0.024	1	11/03/20 17:58	10/29/20	
Dimethyl Phthalate	ND U	0.98	0.023	1	11/03/20 17:58	10/29/20	
Di-n-butyl Phthalate	ND U	0.98	0.045	1	11/03/20 17:58	10/29/20	
Di-n-octyl Phthalate	ND U	0.99	0.030	1	11/03/20 17:58	10/29/20	
Fluoranthene	ND U	0.98	0.036	1	11/03/20 17:58	10/29/20	
Fluorene	ND U	0.98	0.039	1	11/03/20 17:58	10/29/20	
Hexachlorobenzene	ND U	0.98	0.048	1	11/03/20 17:58	10/29/20	
Hexachlorobutadiene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
Hexachlorocyclopentadiene	ND U	0.99	0.072	1	11/03/20 17:58	10/29/20	
Hexachloroethane	ND U	0.98	0.024	1	11/03/20 17:58	10/29/20	
Indeno(1,2,3-cd)pyrene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
Isophorone	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
Naphthalene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
Nitrobenzene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
N-Nitrosodimethylamine	ND U	6.0	0.90	1	11/03/20 17:58	10/29/20	
N-Nitrosodi-n-propylamine	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
N-Nitrosodiphenylamine	ND U	0.98	0.023	1	11/03/20 17:58	10/29/20	
Pentachlorophenol	ND U	6.0	0.19	1	11/03/20 17:58	10/29/20	
Phenanthrene	ND U	0.98	0.033	1	11/03/20 17:58	10/29/20	
Phenol	ND U	0.98	0.057	1	11/03/20 17:58	10/29/20	
Pyrene	ND U	0.98	0.029	1	11/03/20 17:58	10/29/20	
2,2'-Oxybis(1-chloropropane)	ND U	0.98	0.024	1	11/03/20 17:58	10/29/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	61	35 - 118	11/03/20 17:58	
2-Fluorobiphenyl	60	37 - 103	11/03/20 17:58	
2-Fluorophenol	57	30 - 98	11/03/20 17:58	
Nitrobenzene-d5	64	36 - 112	11/03/20 17:58	
Phenol-d6	65	31 - 103	11/03/20 17:58	
Terphenyl-d14	78	18 - 127	11/03/20 17:58	

MW 11-10-20

ALS Group USA, Corp.
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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385672	**Units:**	mg/Kg
Lab Code:	K2008022-007	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
1,2-Dichlorobenzene	ND U	0.95	0.023	1	11/03/20 18:17	10/29/20	*
1,3-Dichlorobenzene	ND U	0.95	0.025	1	11/03/20 18:17	10/29/20	*
1,4-Dichlorobenzene	ND U	0.95	0.024	1	11/03/20 18:17	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.95	0.024	1	11/03/20 18:17	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.95	0.041	1	11/03/20 18:17	10/29/20	*
2,4-Dichlorophenol	ND U	0.95	0.023	1	11/03/20 18:17	10/29/20	*
2,4-Dimethylphenol	ND U	0.95	0.11	1	11/03/20 18:17	10/29/20	*
2,4-Dinitrophenol	ND U	5.8	0.41	1	11/03/20 18:17	10/29/20	*
2,4-Dinitrotoluene	ND U	0.95	0.044	1	11/03/20 18:17	10/29/20	*
2,6-Dinitrotoluene	ND U	0.95	0.022	1	11/03/20 18:17	10/29/20	*
2-Chloronaphthalene	ND U	0.95	0.029	1	11/03/20 18:17	10/29/20	*
2-Chlorophenol	ND U	0.95	0.025	1	11/03/20 18:17	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	5.8	0.093	1	11/03/20 18:17	10/29/20	*
2-Methylnaphthalene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
2-Methylphenol	ND U	0.95	0.044	1	11/03/20 18:17	10/29/20	*
2-Nitroaniline	ND U	0.95	0.13	1	11/03/20 18:17	10/29/20	*
2-Nitrophenol	ND U	0.95	0.041	1	11/03/20 18:17	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.95	0.078	1	11/03/20 18:17	10/29/20	*
3-Nitroaniline	ND U	0.95	0.023	1	11/03/20 18:17	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.95	0.038	1	11/03/20 18:17	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.95	0.47	1	11/03/20 18:17	10/29/20	*
4-Chloroaniline	ND U	0.95	0.021	1	11/03/20 18:17	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.95	0.025	1	11/03/20 18:17	10/29/20	*
4-Methylphenol	ND U	0.95	0.029	1	11/03/20 18:17	10/29/20	*
4-Nitroaniline	ND U	5.8	0.029	1	11/03/20 18:17	10/29/20	*
4-Nitrophenol	ND U	5.8	0.15	1	11/03/20 18:17	10/29/20	*
Acenaphthene	ND U	0.95	0.027	1	11/03/20 18:17	10/29/20	*
Acenaphthylene	ND U	0.95	0.021	1	11/03/20 18:17	10/29/20	*
Aniline	ND U	2.9	0.035	1	11/03/20 18:17	10/29/20	*
Anthracene	ND U	0.95	0.025	1	11/03/20 18:17	10/29/20	*
Benz(a)anthracene	ND U	0.95	0.027	1	11/03/20 18:17	10/29/20	*
Benzo(a)pyrene	ND U	0.95	0.047	1	11/03/20 18:17	10/29/20	*
Benzo(b)fluoranthene	ND U	0.95	0.035	1	11/03/20 18:17	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
Benzo(k)fluoranthene	ND U	0.95	0.041	1	11/03/20 18:17	10/29/20	*
Benzoic Acid	ND U	5.8	0.41	1	11/03/20 18:17	10/29/20	*
Benzyl Alcohol	ND U	0.95	0.022	1	11/03/20 18:17	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.95	0.028	1	11/03/20 18:17	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.95	0.024	1	11/03/20 18:17	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.090 J	0.95	0.021	1	11/03/20 18:17	10/29/20	*
Butyl Benzyl Phthalate	0.089 J	0.95	0.044	1	11/03/20 18:17	10/29/20	*
Chrysene	ND U	0.95	0.041	1	11/03/20 18:17	10/29/20	*

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385672	**Units:**	mg/Kg
Lab Code:	K2008022-007	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.95	0.041	1	11/03/20 18:17	10/29/20	*
Dibenzofuran	ND U	0.95	0.029	1	11/03/20 18:17	10/29/20	*
Diethyl Phthalate	ND U	0.95	0.023	1	11/03/20 18:17	10/29/20	*
Dimethyl Phthalate	ND U	0.95	0.022	1	11/03/20 18:17	10/29/20	*
Di-n-butyl Phthalate	ND U	0.95	0.044	1	11/03/20 18:17	10/29/20	*
Di-n-octyl Phthalate	ND U	0.96	0.029	1	11/03/20 18:17	10/29/20	*
Fluoranthene	ND U	0.95	0.035	1	11/03/20 18:17	10/29/20	*
Fluorene	ND U	0.95	0.038	1	11/03/20 18:17	10/29/20	*
Hexachlorobenzene	ND U	0.95	0.047	1	11/03/20 18:17	10/29/20	*
Hexachlorobutadiene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.96	0.070	1	11/03/20 18:17	10/29/20	*
Hexachloroethane	ND U	0.95	0.023	1	11/03/20 18:17	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
Isophorone	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
Naphthalene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
Nitrobenzene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
N-Nitrosodimethylamine	ND U	5.8	0.87	1	11/03/20 18:17	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.95	0.022	1	11/03/20 18:17	10/29/20	*
Pentachlorophenol	ND U	5.8	0.19	1	11/03/20 18:17	10/29/20	*
Phenanthrene	ND U	0.95	0.032	1	11/03/20 18:17	10/29/20	*
Phenol	ND U	0.95	0.055	1	11/03/20 18:17	10/29/20	*
Pyrene	ND U	0.95	0.028	1	11/03/20 18:17	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.95	0.023	1	11/03/20 18:17	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	61	35 - 118	11/03/20 18:17	
2-Fluorobiphenyl	62	37 - 103	11/03/20 18:17	
2-Fluorophenol	54	30 - 98	11/03/20 18:17	
Nitrobenzene-d5	67	36 - 112	11/03/20 18:17	
Phenol-d6	63	31 - 103	11/03/20 18:17	
Terphenyl-d14	78	18 - 127	11/03/20 18:17	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:45
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385673	**Units:**	mg/Kg
Lab Code:	K2008022-008	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
1,2-Dichlorobenzene	ND U	0.97	0.023	1	11/03/20 16:41	10/29/20	*
1,3-Dichlorobenzene	ND U	0.97	0.025	1	11/03/20 16:41	10/29/20	*
1,4-Dichlorobenzene	ND U	0.97	0.025	1	11/03/20 16:41	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.97	0.025	1	11/03/20 16:41	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.97	0.042	1	11/03/20 16:41	10/29/20	*
2,4-Dichlorophenol	ND U	0.97	0.023	1	11/03/20 16:41	10/29/20	*
2,4-Dimethylphenol	ND U	0.97	0.11	1	11/03/20 16:41	10/29/20	*
2,4-Dinitrophenol	ND U	5.9	0.42	1	11/03/20 16:41	10/29/20	*
2,4-Dinitrotoluene	0.30 J Q	0.97	0.044	1	11/03/20 16:41	10/29/20	*
2,6-Dinitrotoluene	ND U	0.97	0.022	1	11/03/20 16:41	10/29/20	*
2-Chloronaphthalene	ND U	0.97	0.030	1	11/03/20 16:41	10/29/20	*
2-Chlorophenol	ND U	0.97	0.026	1	11/03/20 16:41	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	5.9	0.094	1	11/03/20 16:41	10/29/20	*
2-Methylnaphthalene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
2-Methylphenol	ND U	0.97	0.044	1	11/03/20 16:41	10/29/20	*
2-Nitroaniline	ND U	0.97	0.13	1	11/03/20 16:41	10/29/20	*
2-Nitrophenol	ND U	0.97	0.042	1	11/03/20 16:41	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.97	0.080	1	11/03/20 16:41	10/29/20	*
3-Nitroaniline	ND U	0.97	0.024	1	11/03/20 16:41	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.97	0.039	1	11/03/20 16:41	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.97	0.47	1	11/03/20 16:41	10/29/20	*
4-Chloroaniline	ND U	0.97	0.021	1	11/03/20 16:41	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.97	0.025	1	11/03/20 16:41	10/29/20	*
4-Methylphenol	ND U	0.97	0.030	1	11/03/20 16:41	10/29/20	*
4-Nitroaniline	ND U	5.9	0.030	1	11/03/20 16:41	10/29/20	*
4-Nitrophenol	ND U	5.9	0.15	1	11/03/20 16:41	10/29/20	*
Acenaphthene	ND U	0.97	0.028	1	11/03/20 16:41	10/29/20	*
Acenaphthylene	ND U	0.97	0.021	1	11/03/20 16:41	10/29/20	*
Aniline	ND U	2.9	0.036	1	11/03/20 16:41	10/29/20	*
Anthracene	ND U	0.97	0.026	1	11/03/20 16:41	10/29/20	*
Benz(a)anthracene	0.036 J Q	0.97	0.027	1	11/03/20 16:41	10/29/20	*
Benzo(a)pyrene	ND U	0.97	0.047	1	11/03/20 16:41	10/29/20	*
Benzo(b)fluoranthene	ND U	0.97	0.036	1	11/03/20 16:41	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
Benzo(k)fluoranthene	ND U	0.97	0.042	1	11/03/20 16:41	10/29/20	*
Benzoic Acid	ND U	5.9	0.42	1	11/03/20 16:41	10/29/20	*
Benzyl Alcohol	ND U	0.97	0.022	1	11/03/20 16:41	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.97	0.028	1	11/03/20 16:41	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.97	0.025	1	11/03/20 16:41	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.14 J Q	0.97	0.021	1	11/03/20 16:41	10/29/20	*
Butyl Benzyl Phthalate	0.12 J Q	0.97	0.044	1	11/03/20 16:41	10/29/20	*
Chrysene	ND U	0.97	0.042	1	11/03/20 16:41	10/29/20	*

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:45
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385673	**Units:**	mg/Kg
Lab Code:	K2008022-008	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	0.065 J	0.97	0.042	1	11/03/20 16:41	10/29/20	*
Dibenzofuran	ND U	0.97	0.029	1	11/03/20 16:41	10/29/20	*
Diethyl Phthalate	ND U	0.97	0.024	1	11/03/20 16:41	10/29/20	*
Dimethyl Phthalate	ND U	0.97	0.023	1	11/03/20 16:41	10/29/20	*
Di-n-butyl Phthalate	0.057 J	0.97	0.044	1	11/03/20 16:41	10/29/20	*
Di-n-octyl Phthalate	0.53 J	0.98	0.030	1	11/03/20 16:41	10/29/20	*
Fluoranthene	ND U	0.97	0.036	1	11/03/20 16:41	10/29/20	*
Fluorene	ND U	0.97	0.039	1	11/03/20 16:41	10/29/20	*
Hexachlorobenzene	ND U	0.97	0.047	1	11/03/20 16:41	10/29/20	*
Hexachlorobutadiene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.98	0.071	1	11/03/20 16:41	10/29/20	*
Hexachloroethane	ND U	0.97	0.024	1	11/03/20 16:41	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
Isophorone	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
Naphthalene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
Nitrobenzene	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
N-Nitrosodimethylamine	ND U	5.9	0.88	1	11/03/20 16:41	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.97	0.033	1	11/03/20 16:41	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.97	0.022	1	11/03/20 16:41	10/29/20	*
Pentachlorophenol	ND U	5.9	0.19	1	11/03/20 16:41	10/29/20	*
Phenanthrene	0.048 J	0.97	0.033	1	11/03/20 16:41	10/29/20	*
Phenol	ND U	0.97	0.056	1	11/03/20 16:41	10/29/20	*
Pyrene	0.033 J	0.97	0.029	1	11/03/20 16:41	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.97	0.024	1	11/03/20 16:41	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	35 - 118	11/03/20 16:41	
2-Fluorobiphenyl	65	37 - 103	11/03/20 16:41	
2-Fluorophenol	57	30 - 98	11/03/20 16:41	
Nitrobenzene-d5	63	36 - 112	11/03/20 16:41	
Phenol-d6	66	31 - 103	11/03/20 16:41	
Terphenyl-d14	82	18 - 127	11/03/20 16:41	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385675	**Units:**	mg/Kg
Lab Code:	K2008022-009	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
1,2-Dichlorobenzene	ND U	0.96	0.023	1	11/03/20 17:39	10/29/20	*
1,3-Dichlorobenzene	ND U	0.96	0.025	1	11/03/20 17:39	10/29/20	*
1,4-Dichlorobenzene	ND U	0.96	0.025	1	11/03/20 17:39	10/29/20	*
2,4,5-Trichlorophenol	ND U	0.96	0.025	1	11/03/20 17:39	10/29/20	*
2,4,6-Trichlorophenol	ND U	0.96	0.041	1	11/03/20 17:39	10/29/20	*
2,4-Dichlorophenol	ND U	0.96	0.023	1	11/03/20 17:39	10/29/20	*
2,4-Dimethylphenol	ND U	0.96	0.11	1	11/03/20 17:39	10/29/20	*
2,4-Dinitrophenol	ND U	5.8	0.41	1	11/03/20 17:39	10/29/20	*
2,4-Dinitrotoluene	ND U	0.96	0.044	1	11/03/20 17:39	10/29/20	*
2,6-Dinitrotoluene	ND U	0.96	0.022	1	11/03/20 17:39	10/29/20	*
2-Chloronaphthalene	ND U	0.96	0.030	1	11/03/20 17:39	10/29/20	*
2-Chlorophenol	ND U	0.96	0.026	1	11/03/20 17:39	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND U	5.8	0.094	1	11/03/20 17:39	10/29/20	*
2-Methylnaphthalene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
2-Methylphenol	ND U	0.96	0.044	1	11/03/20 17:39	10/29/20	*
2-Nitroaniline	ND U	0.96	0.13	1	11/03/20 17:39	10/29/20	*
2-Nitrophenol	ND U	0.96	0.041	1	11/03/20 17:39	10/29/20	*
3,3'-Dichlorobenzidine	ND U	0.96	0.079	1	11/03/20 17:39	10/29/20	*
3-Nitroaniline	ND U	0.96	0.024	1	11/03/20 17:39	10/29/20	*
4-Bromophenyl Phenyl Ether	ND U	0.96	0.038	1	11/03/20 17:39	10/29/20	*
4-Chloro-3-methylphenol	ND U	0.96	0.47	1	11/03/20 17:39	10/29/20	*
4-Chloroaniline	ND U	0.96	0.021	1	11/03/20 17:39	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND U	0.96	0.025	1	11/03/20 17:39	10/29/20	*
4-Methylphenol	ND U	0.96	0.030	1	11/03/20 17:39	10/29/20	*
4-Nitroaniline	ND U	5.8	0.029	1	11/03/20 17:39	10/29/20	*
4-Nitrophenol	ND U	5.8	0.15	1	11/03/20 17:39	10/29/20	*
Acenaphthene	ND U	0.96	0.028	1	11/03/20 17:39	10/29/20	*
Acenaphthylene	ND U	0.96	0.021	1	11/03/20 17:39	10/29/20	*
Aniline	ND U	2.9	0.036	1	11/03/20 17:39	10/29/20	*
Anthracene	ND U	0.96	0.026	1	11/03/20 17:39	10/29/20	*
Benz(a)anthracene	ND U	0.96	0.027	1	11/03/20 17:39	10/29/20	*
Benzo(a)pyrene	ND U	0.96	0.047	1	11/03/20 17:39	10/29/20	*
Benzo(b)fluoranthene	ND U	0.96	0.036	1	11/03/20 17:39	10/29/20	*
Benzo(g,h,i)perylene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
Benzo(k)fluoranthene	ND U	0.96	0.041	1	11/03/20 17:39	10/29/20	*
Benzoic Acid	ND U	5.8	0.41	1	11/03/20 17:39	10/29/20	*
Benzyl Alcohol	ND U	0.96	0.022	1	11/03/20 17:39	10/29/20	*
Bis(2-chloroethoxy)methane	ND U	0.96	0.028	1	11/03/20 17:39	10/29/20	*
Bis(2-chloroethyl) Ether	ND U	0.96	0.024	1	11/03/20 17:39	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.13 J	0.96	0.021	1	11/03/20 17:39	10/29/20	*
Butyl Benzyl Phthalate	0.083 J	0.96	0.044	1	11/03/20 17:39	10/29/20	*
Chrysene	ND U	0.96	0.041	1	11/03/20 17:39	10/29/20	*

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Superset Reference:20-0000565123 rev 00

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385675	**Units:**	mg/Kg
Lab Code:	K2008022-009	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.96	0.041	1	11/03/20 17:39	10/29/20	*
Dibenzofuran	ND U	0.96	0.029	1	11/03/20 17:39	10/29/20	*
Diethyl Phthalate	ND U	0.96	0.024	1	11/03/20 17:39	10/29/20	*
Dimethyl Phthalate	ND U	0.96	0.023	1	11/03/20 17:39	10/29/20	*
Di-n-butyl Phthalate	ND U	0.96	0.044	1	11/03/20 17:39	10/29/20	*
Di-n-octyl Phthalate	ND U	0.97	0.030	1	11/03/20 17:39	10/29/20	*
Fluoranthene	ND U	0.96	0.036	1	11/03/20 17:39	10/29/20	*
Fluorene	ND U	0.96	0.038	1	11/03/20 17:39	10/29/20	*
Hexachlorobenzene	ND U	0.96	0.047	1	11/03/20 17:39	10/29/20	*
Hexachlorobutadiene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
Hexachlorocyclopentadiene	ND U	0.97	0.071	1	11/03/20 17:39	10/29/20	*
Hexachloroethane	ND U	0.96	0.024	1	11/03/20 17:39	10/29/20	*
Indeno(1,2,3-cd)pyrene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
Isophorone	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
Naphthalene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
Nitrobenzene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
N-Nitrosodimethylamine	ND U	5.8	0.88	1	11/03/20 17:39	10/29/20	*
N-Nitrosodi-n-propylamine	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
N-Nitrosodiphenylamine	ND U	0.96	0.022	1	11/03/20 17:39	10/29/20	*
Pentachlorophenol	ND U	5.8	0.19	1	11/03/20 17:39	10/29/20	*
Phenanthrene	ND U	0.96	0.033	1	11/03/20 17:39	10/29/20	*
Phenol	ND U	0.96	0.056	1	11/03/20 17:39	10/29/20	*
Pyrene	ND U	0.96	0.029	1	11/03/20 17:39	10/29/20	*
2,2'-Oxybis(1-chloropropane)	ND U	0.96	0.024	1	11/03/20 17:39	10/29/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	59	35 - 118	11/03/20 17:39	
2-Fluorobiphenyl	61	37 - 103	11/03/20 17:39	
2-Fluorophenol	52	30 - 98	11/03/20 17:39	
Nitrobenzene-d5	63	36 - 112	11/03/20 17:39	
Phenol-d6	60	31 - 103	11/03/20 17:39	
Terphenyl-d14	78	18 - 127	11/03/20 17:39	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385676	**Units:**	mg/Kg
Lab Code:	K2008022-010	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	ND	U	0.96	0.033	1	11/03/20 15:24	10/29/20	*
1,2-Dichlorobenzene	ND	U	0.96	0.023	1	11/03/20 15:24	10/29/20	*
1,3-Dichlorobenzene	ND	U	0.96	0.025	1	11/03/20 15:24	10/29/20	*
1,4-Dichlorobenzene	ND	U	0.96	0.025	1	11/03/20 15:24	10/29/20	*
2,4,5-Trichlorophenol	ND	U	0.96	0.025	1	11/03/20 15:24	10/29/20	*
2,4,6-Trichlorophenol	ND	U	0.96	0.041	1	11/03/20 15:24	10/29/20	*
2,4-Dichlorophenol	ND	U	0.96	0.023	1	11/03/20 15:24	10/29/20	*
2,4-Dimethylphenol	ND	U	0.96	0.11	1	11/03/20 15:24	10/29/20	*
2,4-Dinitrophenol	ND	U	5.8	0.41	1	11/03/20 15:24	10/29/20	*
2,4-Dinitrotoluene	ND	U	0.96	0.044	1	11/03/20 15:24	10/29/20	*
2,6-Dinitrotoluene	ND	U	0.96	0.022	1	11/03/20 15:24	10/29/20	*
2-Chloronaphthalene	ND	U	0.96	0.030	1	11/03/20 15:24	10/29/20	*
2-Chlorophenol	ND	U	0.96	0.026	1	11/03/20 15:24	10/29/20	*
2-Methyl-4,6-dinitrophenol	ND	U	5.8	0.094	1	11/03/20 15:24	10/29/20	*
2-Methylnaphthalene	ND	U	0.96	0.033	1	11/03/20 15:24	10/29/20	*
2-Methylphenol	ND	U	0.96	0.044	1	11/03/20 15:24	10/29/20	*
2-Nitroaniline	ND	U	0.96	0.13	1	11/03/20 15:24	10/29/20	*
2-Nitrophenol	ND	U	0.96	0.041	1	11/03/20 15:24	10/29/20	*
3,3'-Dichlorobenzidine	ND	U	0.96	0.079	1	11/03/20 15:24	10/29/20	*
3-Nitroaniline	ND	U	0.96	0.024	1	11/03/20 15:24	10/29/20	*
4-Bromophenyl Phenyl Ether	ND	U	0.96	0.038	1	11/03/20 15:24	10/29/20	*
4-Chloro-3-methylphenol	ND	U	0.96	0.47	1	11/03/20 15:24	10/29/20	*
4-Chloroaniline	ND	U	0.96	0.021	1	11/03/20 15:24	10/29/20	*
4-Chlorophenyl Phenyl Ether	ND	U	0.96	0.025	1	11/03/20 15:24	10/29/20	*
4-Methylphenol	ND	U	0.96	0.030	1	11/03/20 15:24	10/29/20	*
4-Nitroaniline	ND	U	5.8	0.029	1	11/03/20 15:24	10/29/20	*
4-Nitrophenol	ND	U	5.8	0.15	1	11/03/20 15:24	10/29/20	*
Acenaphthene	ND	U	0.96	0.028	1	11/03/20 15:24	10/29/20	*
Acenaphthylene	ND	U	0.96	0.021	1	11/03/20 15:24	10/29/20	*
Aniline	ND	U	2.9	0.036	1	11/03/20 15:24	10/29/20	*
Anthracene	ND	U	0.96	0.026	1	11/03/20 15:24	10/29/20	*
Benz(a)anthracene	ND	U	0.96	0.027	1	11/03/20 15:24	10/29/20	*
Benzo(a)pyrene	ND	U	0.96	0.047	1	11/03/20 15:24	10/29/20	*
Benzo(b)fluoranthene	ND	U	0.96	0.036	1	11/03/20 15:24	10/29/20	*
Benzo(g,h,i)perylene	ND	U	0.96	0.033	1	11/03/20 15:24	10/29/20	*
Benzo(k)fluoranthene	ND	U	0.96	0.041	1	11/03/20 15:24	10/29/20	*
Benzoic Acid	ND	U	5.8	0.41	1	11/03/20 15:24	10/29/20	*
Benzyl Alcohol	ND	U	0.96	0.022	1	11/03/20 15:24	10/29/20	*
Bis(2-chloroethoxy)methane	ND	U	0.96	0.028	1	11/03/20 15:24	10/29/20	*
Bis(2-chloroethyl) Ether	ND	U	0.96	0.024	1	11/03/20 15:24	10/29/20	*
Bis(2-ethylhexyl) Phthalate	0.16	J	0.96	0.021	1	11/03/20 15:24	10/29/20	*
Butyl Benzyl Phthalate	0.087	J	0.96	0.044	1	11/03/20 15:24	10/29/20	*
Chrysene	ND	U	0.96	0.041	1	11/03/20 15:24	10/29/20	*

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385676	**Units:**	mg/Kg
Lab Code:	K2008022-010	**Basis:**	Adjustment Factor

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3541

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Dibenz(a,h)anthracene	ND U	0.96	0.041	1	11/03/20 15:24	10/29/20	
Dibenzofuran	ND U	0.96	0.029	1	11/03/20 15:24	10/29/20	
Diethyl Phthalate	ND U	0.96	0.024	1	11/03/20 15:24	10/29/20	
Dimethyl Phthalate	ND U	0.96	0.023	1	11/03/20 15:24	10/29/20	
Di-n-butyl Phthalate	ND U	0.96	0.044	1	11/03/20 15:24	10/29/20	
Di-n-octyl Phthalate	ND U	0.97	0.030	1	11/03/20 15:24	10/29/20	
Fluoranthene	ND U	0.96	0.036	1	11/03/20 15:24	10/29/20	
Fluorene	ND U	0.96	0.038	1	11/03/20 15:24	10/29/20	
Hexachlorobenzene	ND U	0.96	0.047	1	11/03/20 15:24	10/29/20	
Hexachlorobutadiene	ND U	0.96	0.033	1	11/03/20 15:24	10/29/20	
Hexachlorocyclopentadiene	ND U	0.97	0.071	1	11/03/20 15:24	10/29/20	
Hexachloroethane	ND U	0.96	0.024	1	11/03/20 15:24	10/29/20	
Indeno(1,2,3-cd)pyrene	ND U	0.96	0.033	1	11/03/20 15:24	10/29/20	
Isophorone	ND U	0.96	0.033	1	11/03/20 15:24	10/29/20	
Naphthalene	ND U	0.96	0.033	1	11/03/20 15:24	10/29/20	
Nitrobenzene	ND U	0.96	0.033	1	11/03/20 15:24	10/29/20	
N-Nitrosodimethylamine	ND U	5.8	0.88	1	11/03/20 15:24	10/29/20	
N-Nitrosodi-n-propylamine	ND U	0.96	0.033	1	11/03/20 15:24	10/29/20	
N-Nitrosodiphenylamine	ND U	0.96	0.022	1	11/03/20 15:24	10/29/20	
Pentachlorophenol	ND U	5.8	0.19	1	11/03/20 15:24	10/29/20	
Phenanthrene	0.033 J	0.96	0.033	1	11/03/20 15:24	10/29/20	
Phenol	ND U	0.96	0.056	1	11/03/20 15:24	10/29/20	
Pyrene	ND U	0.96	0.029	1	11/03/20 15:24	10/29/20	
2,2'-Oxybis(1-chloropropane)	ND U	0.96	0.024	1	11/03/20 15:24	10/29/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	54	35 - 118	11/03/20 15:24	
2-Fluorobiphenyl	60	37 - 103	11/03/20 15:24	
2-Fluorophenol	42	30 - 98	11/03/20 15:24	
Nitrobenzene-d5	62	36 - 112	11/03/20 15:24	
Phenol-d6	52	31 - 103	11/03/20 15:24	
Terphenyl-d14	74	18 - 127	11/03/20 15:24	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 17:10
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375667	**Units:**	ug/Kg
Lab Code:	K2008022-001	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	6.5 J	4.7	0.37	1	10/06/20 11:18	10/1/20	*
Acenaphthene	0.95 J	4.7	0.30	1	10/06/20 11:18	10/1/20	*
Acenaphthylene	1.2 J	4.7	0.28	1	10/06/20 11:18	10/1/20	*
Anthracene	1.8 J	4.7	0.29	1	10/06/20 11:18	10/1/20	*
Benz(a)anthracene	ND U	4.7	0.23 UJ	1	10/06/20 11:18	10/1/20	*
Benzo(a)pyrene	ND U	4.7	0.38	1	10/06/20 11:18	10/1/20	*
Benzo(b)fluoranthene	ND U	4.7	0.38	1	10/06/20 11:18	10/1/20	*
Benzo(g,h,i)perylene	ND U	4.7	0.40	1	10/06/20 11:18	10/1/20	*
Benzo(k)fluoranthene	ND U	4.7	0.24	1	10/06/20 11:18	10/1/20	*
Chrysene	2.9 J	4.7	0.31	1	10/06/20 11:18	10/1/20	*
Dibenz(a,h)anthracene	ND U	4.7	0.23 UJ	1	10/06/20 11:18	10/1/20	*
Dibenzofuran	5.0 J	4.7	0.60	1	10/06/20 11:18	10/1/20	*
Fluoranthene	16	4.7	0.63	1	10/06/20 11:18	10/1/20	*
Fluorene	3.3 J	4.7	0.57	1	10/06/20 11:18	10/1/20	*
Indeno(1,2,3-cd)pyrene	ND U	4.7	0.36 UJ	1	10/06/20 11:18	10/1/20	*
Naphthalene	9.9 J	4.7	0.47	1	10/06/20 11:18	10/1/20	*
Phenanthrene	33	4.7	0.59	1	10/06/20 11:18	10/1/20	*
Pyrene	7.7 J	4.7	0.32	1	10/06/20 11:18	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	73	38 - 104	10/06/20 11:18	
Fluorene-d10	66	39 - 109	10/06/20 11:18	
Terphenyl-d14	73	38 - 113	10/06/20 11:18	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 15:40
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375674	**Units:**	ug/Kg
Lab Code:	K2008022-002	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	4.7 J	4.9	0.37	1	10/06/20 11:55	10/1/20	
Acenaphthene	0.62 J	4.9	0.30	1	10/06/20 11:55	10/1/20	
Acenaphthylene	0.50 J	4.9	0.28	1	10/06/20 11:55	10/1/20	
Anthracene	0.82 J	4.9	0.29	1	10/06/20 11:55	10/1/20	
Benz(a)anthracene	1.1 J	4.9	0.23	1	10/06/20 11:55	10/1/20	
Benzo(a)pyrene	ND U	4.9	0.38	1	10/06/20 11:55	10/1/20	
Benzo(b)fluoranthene	4.2 J	4.9	0.38	1	10/06/20 11:55	10/1/20	
Benzo(g,h,i)perylene	1.7 J	4.9	0.40	1	10/06/20 11:55	10/1/20	
Benzo(k)fluoranthene	ND U	4.9	0.24	1	10/06/20 11:55	10/1/20	
Chrysene	4.1 J	4.9	0.31	1	10/06/20 11:55	10/1/20	
Dibenz(a,h)anthracene	ND U	4.9	0.23	1	10/06/20 11:55	10/1/20	
Dibenzofuran	3.2 J	4.9	0.60	1	10/06/20 11:55	10/1/20	
Fluoranthene	5.8	4.9	0.63	1	10/06/20 11:55	10/1/20	
Fluorene	1.8 J	4.9	0.57	1	10/06/20 11:55	10/1/20	
Indeno(1,2,3-cd)pyrene	ND U	4.9	0.36	1	10/06/20 11:55	10/1/20	
Naphthalene	4.6 J	4.9	0.47	1	10/06/20 11:55	10/1/20	
Phenanthrene	19	4.9	0.59	1	10/06/20 11:55	10/1/20	
Pyrene	4.5 J	4.9	0.32	1	10/06/20 11:55	10/1/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	79	38 - 104	10/06/20 11:55	
Fluorene-d10	68	39 - 109	10/06/20 11:55	
Terphenyl-d14	75	38 - 113	10/06/20 11:55	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 15:26
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385668	**Units:**	ug/Kg
Lab Code:	K2008022-003	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	1.8 J	4.8	0.37	1	10/06/20 12:32	10/1/20	*
Acenaphthene	0.34 J	4.8	0.30	1	10/06/20 12:32	10/1/20	*
Acenaphthylene	ND U	4.8	0.28	1	10/06/20 12:32	10/1/20	*
Anthracene	0.60 J	4.8	0.29	1	10/06/20 12:32	10/1/20	*
Benz(a)anthracene	0.86 J	4.8	0.23	1	10/06/20 12:32	10/1/20	*
Benzo(a)pyrene	ND U	4.8	0.38	1	10/06/20 12:32	10/1/20	*
Benzo(b)fluoranthene	ND U	4.8	0.38	1	10/06/20 12:32	10/1/20	*
Benzo(g,h,i)perylene	ND U	4.8	0.40	1	10/06/20 12:32	10/1/20	*
Benzo(k)fluoranthene	ND U	4.8	0.24	1	10/06/20 12:32	10/1/20	*
Chrysene	0.74 J	4.8	0.31	1	10/06/20 12:32	10/1/20	*
Dibenz(a,h)anthracene	ND U	4.8	0.23	1	10/06/20 12:32	10/1/20	*
Dibenzofuran	4.5 J	4.8	0.60	1	10/06/20 12:32	10/1/20	*
Fluoranthene	3.7 J	4.8	0.63	1	10/06/20 12:32	10/1/20	*
Fluorene	0.81 J	4.8	0.57	1	10/06/20 12:32	10/1/20	*
Indeno(1,2,3-cd)pyrene	ND U	4.8	0.36	1	10/06/20 12:32	10/1/20	*
Naphthalene	6.3 J	4.8	0.47	1	10/06/20 12:32	10/1/20	*
Phenanthrene	9.5 J	4.8	0.59	1	10/06/20 12:32	10/1/20	*
Pyrene	1.8 J	4.8	0.32	1	10/06/20 12:32	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	58	38 - 104	10/06/20 12:32	
Fluorene-d10	50	39 - 109	10/06/20 12:32	
Terphenyl-d14	55	38 - 113	10/06/20 12:32	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 14:48
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385669	**Units:**	ug/Kg
Lab Code:	K2008022-004	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	3.2 J	4.9	0.37	1	10/06/20 13:08	10/1/20	*
Acenaphthene	0.32 J	4.9	0.30	1	10/06/20 13:08	10/1/20	*
Acenaphthylene	0.60 J	4.9	0.28	1	10/06/20 13:08	10/1/20	*
Anthracene	0.41 J	4.9	0.29	1	10/06/20 13:08	10/1/20	*
Benz(a)anthracene	0.89 J	4.9	0.23	1	10/06/20 13:08	10/1/20	*
Benzo(a)pyrene	ND U	4.9	0.38	1	10/06/20 13:08	10/1/20	*
Benzo(b)fluoranthene	1.5 J	4.9	0.38	1	10/06/20 13:08	10/1/20	*
Benzo(g,h,i)perylene	ND U	4.9	0.40	1	10/06/20 13:08	10/1/20	*
Benzo(k)fluoranthene	0.32 J	4.9	0.24	1	10/06/20 13:08	10/1/20	*
Chrysene	1.1 J	4.9	0.31	1	10/06/20 13:08	10/1/20	*
Dibenz(a,h)anthracene	ND U	4.9	0.23	1	10/06/20 13:08	10/1/20	*
Dibenzofuran	4.0 J	4.9	0.60	1	10/06/20 13:08	10/1/20	*
Fluoranthene	4.6 J	4.9	0.63	1	10/06/20 13:08	10/1/20	*
Fluorene	0.62 J	4.9	0.57	1	10/06/20 13:08	10/1/20	*
Indeno(1,2,3-cd)pyrene	ND U	4.9	0.36	1	10/06/20 13:08	10/1/20	*
Naphthalene	7.1 J	4.9	0.47	1	10/06/20 13:08	10/1/20	*
Phenanthrene	9.5 J	4.9	0.59	1	10/06/20 13:08	10/1/20	*
Pyrene	1.8 J	4.9	0.32	1	10/06/20 13:08	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	75	38 - 104	10/06/20 13:08	
Fluorene-d10	68	39 - 109	10/06/20 13:08	
Terphenyl-d14	70	38 - 113	10/06/20 13:08	

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 16:41
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385670	**Units:**	ug/Kg
Lab Code:	K2008022-005	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	8.3 J	4.9	0.37	1	10/06/20 13:45	10/1/20	*
Acenaphthene	0.55 J	4.9	0.30	1	10/06/20 13:45	10/1/20	*
Acenaphthylene	1.0 J	4.9	0.28	1	10/06/20 13:45	10/1/20	*
Anthracene	1.4 J	4.9	0.29	1	10/06/20 13:45	10/1/20	*
Benz(a)anthracene	1.9 J	4.9	0.23	1	10/06/20 13:45	10/1/20	*
Benzo(a)pyrene	0.57 J	4.9	0.38	1	10/06/20 13:45	10/1/20	*
Benzo(b)fluoranthene	4.2 J	4.9	0.38	1	10/06/20 13:45	10/1/20	*
Benzo(g,h,i)perylene	1.4 J	4.9	0.40	1	10/06/20 13:45	10/1/20	*
Benzo(k)fluoranthene	0.60 J	4.9	0.24	1	10/06/20 13:45	10/1/20	*
Chrysene	2.6 J	4.9	0.31	1	10/06/20 13:45	10/1/20	*
Dibenz(a,h)anthracene	~~ND~~ U	4.9	0.23	1	10/06/20 13:45	10/1/20	*
Dibenzofuran	13	4.9	0.60	1	10/06/20 13:45	10/1/20	*
Fluoranthene	14	4.9	0.63	1	10/06/20 13:45	10/1/20	*
Fluorene	1.8 J	4.9	0.57	1	10/06/20 13:45	10/1/20	*
Indeno(1,2,3-cd)pyrene	1.2 J	4.9	0.36	1	10/06/20 13:45	10/1/20	*
Naphthalene	18	4.9	0.47	1	10/06/20 13:45	10/1/20	*
Phenanthrene	30	4.9	0.59	1	10/06/20 13:45	10/1/20	*
Pyrene	6.1	4.9	0.32	1	10/06/20 13:45	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	65	38 - 104	10/06/20 13:45	
Fluorene-d10	62	39 - 109	10/06/20 13:45	
Terphenyl-d14	65	38 - 113	10/06/20 13:45	

10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:04
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385671	**Units:**	ug/Kg
Lab Code:	K2008022-006	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	5.1 J	4.9	0.37	1	10/06/20 14:22	10/1/20	*
Acenaphthene	0.39 J	4.9	0.30	1	10/06/20 14:22	10/1/20	*
Acenaphthylene	0.61 J	4.9	0.28	1	10/06/20 14:22	10/1/20	*
Anthracene	1.1 J	4.9	0.29	1	10/06/20 14:22	10/1/20	*
Benz(a)anthracene	1.7 J	4.9	0.23	1	10/06/20 14:22	10/1/20	*
Benzo(a)pyrene	0.63 J	4.9	0.38	1	10/06/20 14:22	10/1/20	*
Benzo(b)fluoranthene	2.6 J	4.9	0.38	1	10/06/20 14:22	10/1/20	*
Benzo(g,h,i)perylene	1.0 J	4.9	0.40	1	10/06/20 14:22	10/1/20	*
Benzo(k)fluoranthene	0.58 J	4.9	0.24	1	10/06/20 14:22	10/1/20	*
Chrysene	1.8 J	4.9	0.31	1	10/06/20 14:22	10/1/20	*
Dibenz(a,h)anthracene	~~ND~~	4.9	0.23	1	10/06/20 14:22	10/1/20	*
Dibenzofuran	5.5	4.9	0.60	1	10/06/20 14:22	10/1/20	*
Fluoranthene	7.7	4.9	0.63	1	10/06/20 14:22	10/1/20	*
Fluorene	1.1 J	4.9	0.57	1	10/06/20 14:22	10/1/20	*
Indeno(1,2,3-cd)pyrene	0.82 J	4.9	0.36	1	10/06/20 14:22	10/1/20	*
Naphthalene	9.9	4.9	0.47	1	10/06/20 14:22	10/1/20	*
Phenanthrene	13	4.9	0.59	1	10/06/20 14:22	10/1/20	*
Pyrene	4.1 J	4.9	0.32	1	10/06/20 14:22	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	53	38 - 104	10/06/20 14:22	
Fluorene-d10	50	39 - 109	10/06/20 14:22	
Terphenyl-d14	51	38 - 113	10/06/20 14:22	

10/10/20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385672	**Units:**	ug/Kg
Lab Code:	K2008022-007	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	10	5.0	0.37	1	10/06/20 14:58	10/1/20	*
Acenaphthene	0.90 J	5.0	0.30	1	10/06/20 14:58	10/1/20	*
Acenaphthylene	0.88 J	5.0	0.28	1	10/06/20 14:58	10/1/20	*
Anthracene	1.5 J	5.0	0.29	1	10/06/20 14:58	10/1/20	*
Benz(a)anthracene	1.7 J	5.0	0.23	1	10/06/20 14:58	10/1/20	*
Benzo(a)pyrene	ND U	5.0	0.38	1	10/06/20 14:58	10/1/20	*
Benzo(b)fluoranthene	2.7 J	5.0	0.38	1	10/06/20 14:58	10/1/20	*
Benzo(g,h,i)perylene	0.95 J	5.0	0.40	1	10/06/20 14:58	10/1/20	*
Benzo(k)fluoranthene	ND U	5.0	0.24	1	10/06/20 14:58	10/1/20	*
Chrysene	1.8 J	5.0	0.31	1	10/06/20 14:58	10/1/20	*
Dibenz(a,h)anthracene	ND U	5.0	0.23	1	10/06/20 14:58	10/1/20	*
Dibenzofuran	12	5.0	0.60	1	10/06/20 14:58	10/1/20	*
Fluoranthene	9.9	5.0	0.63	1	10/06/20 14:58	10/1/20	*
Fluorene	2.0 J	5.0	0.57	1	10/06/20 14:58	10/1/20	*
Indeno(1,2,3-cd)pyrene	ND U	5.0	0.36	1	10/06/20 14:58	10/1/20	*
Naphthalene	22	5.0	0.47	1	10/06/20 14:58	10/1/20	*
Phenanthrene	25	5.0	0.59	1	10/06/20 14:58	10/1/20	*
Pyrene	6.1	5.0	0.32	1	10/06/20 14:58	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	54	38 - 104	10/06/20 14:58	
Fluorene-d10	56	39 - 109	10/06/20 14:58	
Terphenyl-d14	59	38 - 113	10/06/20 14:58	

11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:45
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385673	**Units:**	ug/Kg
Lab Code:	K2008022-008	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	9.0 J	5.0	0.37	1	10/06/20 15:35	10/1/20	*
Acenaphthene	0.68 J	5.0	0.30	1	10/06/20 15:35	10/1/20	*
Acenaphthylene	0.85 J	5.0	0.28	1	10/06/20 15:35	10/1/20	*
Anthracene	1.3 J	5.0	0.29	1	10/06/20 15:35	10/1/20	*
Benz(a)anthracene	1.3 J	5.0	0.23	1	10/06/20 15:35	10/1/20	*
Benzo(a)pyrene	ND U	5.0	0.38	1	10/06/20 15:35	10/1/20	*
Benzo(b)fluoranthene	2.6 J	5.0	0.38	1	10/06/20 15:35	10/1/20	*
Benzo(g,h,i)perylene	1.2 J	5.0	0.40	1	10/06/20 15:35	10/1/20	*
Benzo(k)fluoranthene	ND U	5.0	0.24	1	10/06/20 15:35	10/1/20	*
Chrysene	1.8 J	5.0	0.31	1	10/06/20 15:35	10/1/20	*
Dibenz(a,h)anthracene	ND U	5.0	0.23	1	10/06/20 15:35	10/1/20	*
Dibenzofuran	5.0 J	5.0	0.60	1	10/06/20 15:35	10/1/20	*
Fluoranthene	7.4	5.0	0.63	1	10/06/20 15:35	10/1/20	*
Fluorene	2.0 J	5.0	0.57	1	10/06/20 15:35	10/1/20	*
Indeno(1,2,3-cd)pyrene	ND U	5.0	0.36	1	10/06/20 15:35	10/1/20	*
Naphthalene	10	5.0	0.47	1	10/06/20 15:35	10/1/20	*
Phenanthrene	20	5.0	0.59	1	10/06/20 15:35	10/1/20	*
Pyrene	4.9 J	5.0	0.32	1	10/06/20 15:35	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	67	38 - 104	10/06/20 15:35	
Fluorene-d10	61	39 - 109	10/06/20 15:35	
Terphenyl-d14	65	38 - 113	10/06/20 15:35	

11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385675	**Units:**	ug/Kg
Lab Code:	K2008022-009	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	10 J	5.0	0.37	1	10/06/20 16:11	10/1/20	*
Acenaphthene	1.1 JQ	5.0	0.30	1	10/06/20 16:11	10/1/20	*
Acenaphthylene	1.2 JQ	5.0	0.28	1	10/06/20 16:11	10/1/20	*
Anthracene	2.1 J UJ	5.0	0.29	1	10/06/20 16:11	10/1/20	*
Benz(a)anthracene	2.5 J UJ	5.0	0.23	1	10/06/20 16:11	10/1/20	*
Benzo(a)pyrene	ND U	5.0	0.38 UJ	1	10/06/20 16:11	10/1/20	*
Benzo(b)fluoranthene	3.9 JQ	5.0	0.38	1	10/06/20 16:11	10/1/20	*
Benzo(g,h,i)perylene	2.2 JQ	5.0	0.40	1	10/06/20 16:11	10/1/20	*
Benzo(k)fluoranthene	ND U	5.0	0.24 UJ	1	10/06/20 16:11	10/1/20	*
Chrysene	2.2 J UJ	5.0	0.31	1	10/06/20 16:11	10/1/20	*
Dibenz(a,h)anthracene	ND U	5.0	0.23 UJ	1	10/06/20 16:11	10/1/20	*
Dibenzofuran	14 J	5.0	0.60	1	10/06/20 16:11	10/1/20	*
Fluoranthene	15 J	5.0	0.63	1	10/06/20 16:11	10/1/20	*
Fluorene	3.2 JQ	5.0	0.57	1	10/06/20 16:11	10/1/20	*
Indeno(1,2,3-cd)pyrene	ND U	5.0	0.36 UJ	1	10/06/20 16:11	10/1/20	*
Naphthalene	22 J	5.0	0.47	1	10/06/20 16:11	10/1/20	*
Phenanthrene	34 J	5.0	0.59	1	10/06/20 16:11	10/1/20	*
Pyrene	9.4 J	5.0	0.32	1	10/06/20 16:11	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	61	38 - 104	10/06/20 16:11	
Fluorene-d10	59	39 - 109	10/06/20 16:11	
Terphenyl-d14	64	38 - 113	10/06/20 16:11	

11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385676	**Units:**	ug/Kg
Lab Code:	K2008022-010	**Basis:**	Adjustment Factor

Polycyclic Aromatic Hydrocarbons by GC/MS SIM

Analysis Method: 8270D
Prep Method: EPA 3546

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
2-Methylnaphthalene	11 J	4.9	0.37	1	10/06/20 10:42	10/1/20	*
Acenaphthene	0.77 J	4.9	0.30	1	10/06/20 10:42	10/1/20	*
Acenaphthylene	1.0 J	4.9	0.28	1	10/06/20 10:42	10/1/20	*
Anthracene	1.3 J	4.9	0.29	1	10/06/20 10:42	10/1/20	*
Benz(a)anthracene	2.1 J	4.9	0.23	1	10/06/20 10:42	10/1/20	*
Benzo(a)pyrene	3.2 J	4.9	0.38	1	10/06/20 10:42	10/1/20	*
Benzo(b)fluoranthene	5.3 J	4.9	0.38	1	10/06/20 10:42	10/1/20	*
Benzo(g,h,i)perylene	7.6 J	4.9	0.40	1	10/06/20 10:42	10/1/20	*
Benzo(k)fluoranthene	1.2 J	4.9	0.24	1	10/06/20 10:42	10/1/20	*
Chrysene	2.2 J	4.9	0.31	1	10/06/20 10:42	10/1/20	*
Dibenz(a,h)anthracene	2.0 J	4.9	0.23	1	10/06/20 10:42	10/1/20	*
Dibenzofuran	14 J	4.9	0.60	1	10/06/20 10:42	10/1/20	*
Fluoranthene	11 J	4.9	0.63	1	10/06/20 10:42	10/1/20	*
Fluorene	1.7 J	4.9	0.57	1	10/06/20 10:42	10/1/20	*
Indeno(1,2,3-cd)pyrene	3.3 J	4.9	0.36	1	10/06/20 10:42	10/1/20	*
Naphthalene	30 J	4.9	0.47	1	10/06/20 10:42	10/1/20	*
Phenanthrene	26	4.9	0.59	1	10/06/20 10:42	10/1/20	*
Pyrene	6.3	4.9	0.32	1	10/06/20 10:42	10/1/20	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Fluoranthene-d10	69	38 - 104	10/06/20 10:42	
Fluorene-d10	69	39 - 109	10/06/20 10:42	
Terphenyl-d14	69	38 - 113	10/06/20 10:42	

11-10-20

MEMORANDUM

DATE: December 9, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Validation Memorandum, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data quality assurance review of 10 soil samples collected from the Former Western States Plywood Cooperative Mill Site located in Port Orford, Oregon, has been completed. Polychlorinated Dibenzo-p-Dioxin (PCDD)/Polychlorinated Dibenzo Furan (PCDF) analysis (EPA SW-846 Method 8290) was performed by ALS, LLC., Burlington, Ontario, Canada. All sample analyses were evaluated following EPA's Stage 2B and/or 4 Data Validation Electronic and/or Manual Process (S2B/4VE/M).

The samples were numbered:

20375667	20375674	20385668	20385669	20385670
20385671	20385672	20385673	20385675	20385676

Data Qualifications:

1. Holding Times, Storage, and Preservation: Acceptable.

The samples were maintained at < 6°C in the dark from collection until extraction except a brief period above that limit when shipping between labs; no actions were taken based on this. The samples were collected between September 12 and 13, 2020, were extracted on October 21, 2020, and were analyzed by December 3, 2020.

2. Mass Calibration and Mass Spectrometer Resolution: Acceptable.

Mass spectrometer (MS) resolution of ≥ 10,000 was demonstrated at the beginning and end of each 12-hour analytical sequence.

3. Chromatographic Resolution: Acceptable.

The chromatographic peak separation between the 2,3,7,8-TCDD peak and the 1,2,3,8-TCDD peak was resolved with a valley of ≤ 25%.

4. Instrument Stability: Acceptable.

The CS3 standard was analyzed at the beginning and end of each 12-hour analysis sequence (except as noted in 5. Calibration Verification below). The absolute retention time (RT) of $^{13}C_{12}$-1,2,3,4-TCDD was within ± 15 seconds of the absolute RT obtained during initial calibration and exceeded 25.0 minutes on the DB-5 column. The relative retention times (RRTs) of the native and labeled PCDDs/

PCDFs were within QC limits. All CDDs/CDFs in the CS3 standard were within their respective ion abundance ratio limits. The peaks representing both native and labeled analytes in the CS3 standard had Signal-to-Noise (S/N) ratios $\geq$ 10.0. The CS3 Relative Response (RR) was within $\pm$ 25% of the RR of the initial calibration. The CS3 Relative Response Factor (RRF) was within $\pm$ 35% of the initial calibration.

5. Initial Calibration: Acceptable.

The relative ion abundance criteria were met for all CDD/CDF peaks. The RTs of the isomers were within the appropriate RT windows. The absolute RT of $^{13}C_{12}$-1,2,3,4-TCDD exceeded 25 minutes on the DB-5 column. For all calibration solutions the S/N ratio was $\geq$ 10.0. The %RSD of the five RRFs was less than 35%.

6. Calibration Verification: Satisfactory.

All ion abundance ratio criteria were met. The RT of $^{13}C_{12}$ -1,2,3,4-TCDD met the absolute RT criteria. The absolute RT of the internal standards was within 15 seconds of the RTs obtained during the initial calibration. The RRTs of the native and labeled CDDs/CDFs were within QC limits. The Signal-to-Noise (S/N) ratio was $\geq$ 10.0 for all CDD/CDF peaks. The measured RRFs and RRs of each analyte and standard were within $\pm$ 35% (RRF) and within $\pm$ 20% (RR) of the mean values from the initial calibration.

From the case narrative: For analytical sequence 201029A, containing the runs for samples 20375667, DUP, 74, 68, 69, 70, 72, and 73 the post-run continuing calibration verification (CCV) and the associated post-run mass resolution check were not acquired due to an autosampler error. No actions were taken as the CCV prior to sample analysis and all other calibration and resolution results were acceptable, including the following CCV which was analyzed 15 hours after the initial CCV, exceeding the 12 hour limit by 3 hours. Also, the 7-201030A01 CCV injection gave a high result for OCDD which is attributable to high OCDD in the prior injected samples. Calibration control for OCDD was maintained as indicated by the CCV injections to follow. Reported data are not expected to be biased as a result. No qualifications were applied based on this information.

7. Identification Criteria: Acceptable.

The RRTs for the 2,3,7,8-substituted compounds were within the appropriate windows. The RTs for the non-2,3,7,8-substituted compounds were within the RT windows. The SICP ion current responses for the two quantitation ions for each analyte maximized simultaneously (within 2 seconds). For each positive result, the S/N ratio was >2.5, the detector has not been saturated, and ion abundance ratios were within QC limits. Results that did not meet all acceptance criteria were qualified as not detected (U).

8. Method Blank Analysis: Satisfactory.

A method blank was prepared at the required frequency of every time samples were extracted for each matrix and concentration or every 20 samples (whichever is greater). The method blanks are free from contamination except OCDD (0.769 pg/g), 1,2,3,7,8-PeCDF (0.033 pg/g), 2,3,4,7,8-PeCDF (0.012 pg/g), 1,2,3,4,6,7,8-HpCDF (0.043 pg/g), and OCDF (0.227 pg/g). The concentrations of these analytes in the samples were greater than three times the blank concentrations; therefore, no qualifications were applied based on the blank contamination.

9. Laboratory Control Sample (LCS) Analysis: Acceptable.

All LCS recoveries were within QC limits.

10. Performance Evaluation Samples: Not Provided.

Performance evaluation samples were not provided to the laboratory.

11. Toxicity Equivalency Factor and Isomer Specificity: Acceptable.

All TEF calculations were properly performed.

12. Second Column Confirmation: Acceptable.

Second column confirmation was performed for all positive 2,3,7,8-TCDF results; all QC results for the second column were within limits. Positive 2,3,7,8-TCDF results greater than the lowest quantification limit were reported from the second column.

13. Labeled Compound Recoveries: Acceptable.

The labeled compound and internal standard recoveries were within the required limits. The S/N ratio of the labeled compounds was $\geq$ 10. The ion abundance ratios of the labeled compounds were within the required limits.

14. Overall Assessment

A total of 170 results were evaluated in this data memorandum. No sample results were qualified As estimated quantities (J) based on holding time outliers, incorrect sample containers, sample temperature outliers, or spike accuracy outliers. No sample results were rejected (R). No potential contaminants of concern were detected in the laboratory blanks that may have affected sample results. The overall usefulness of the data is based on the criteria outlined in the Site-Specific Sampling Plan, the USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review, (EPA-542-B-16-001, April 2016), and the analytical methods. Based upon the information provided, the data are acceptable for use with the above stated data qualifications.

Data Qualifiers and Definitions

U - The analyte was analyzed for but not detected. The value preceding the "U" represents the sample specific reporting limit.

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).

JQ – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample with an unknown direction of bias and falls between the MDL and the Minimum (or Practical) Quantitation Limit (MQL, PQL).

UJ - The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.

R - The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

ALS Life Sciences

Sample Analysis Summary Report

Sample Name	20375667	Duplicate	20375674	20375668	20375669	20375670
ALS Sample ID	L2513652-1	WG3420366-4	L2513652-2	L2513652-3	L2513652-4	L2513652-5
Sample Size	6.78	6.85	19.03	18.91	18.94	18.57
Sample size units	g	g	g	g	g	g
Percent Moisture	4.03%	4.11%	5.40%	5.81%	5.48%	8.19%
Sample Matrix	Soil	QC	Soil	Soil	Soil	Soil
Sampling Date	12-Sep-20	n/a	12-Sep-20	13-Sep-20	13-Sep-20	13-Sep-20
Extraction Date	21-Oct-20	21-Oct-20	21-Oct-20	21-Oct-20	21-Oct-20	21-Oct-20
Target Analytes	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
2,3,7,8-TCDD	9.45	8.18	0.669	0.544	2.79	0.984
1,2,3,7,8-PeCDD	5.71	4.76	0.610	0.889	<1.2	1.98
1,2,3,4,7,8-HxCDD	11.3	11.4	0.811	0.998	1.37	2.88
1,2,3,6,7,8-HxCDD	43.3	39.8	2.09	2.66	4.70	8.50
1,2,3,7,8,9-HxCDD	19.9	18.7	1.54	2.18	2.77	6.19
1,2,3,4,6,7,8-HpCDD	1260	1200	41.0	56.4	117	205
OCDD	9930	10300	364	501	966	1570
2,3,7,8-TCDF	0.996	1.18	0.424	0.622	<0.37	0.678
1,2,3,7,8-PeCDF	2.75	2.68	0.353	0.398	0.454	1.12
2,3,4,7,8-PeCDF	6.22	6.01	0.878	0.597	0.955	2.15
1,2,3,4,7,8-HxCDF	11.5	11.6	0.868	0.922	1.81	3.85
1,2,3,6,7,8-HxCDF	5.34	5.57	0.679	0.465	0.933	2.70
2,3,4,6,7,8-HxCDF	<13	<15	1.01	0.787	<2.0	<4.9
1,2,3,7,8,9-HxCDF	4.43	4.38	<0.33	0.400	0.712	1.11
1,2,3,4,6,7,8-HpCDF	206	194	10.4	10.2	23.6	48.4
1,2,3,4,7,8,9-HpCDF	12.5	12.1	0.729	0.881	2.12	3.84
OCDF	892	934	36.0	30.0	81.8	142
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	81	75	77	81	79	86
13C12-1,2,3,7,8-PeCDD	72	75	71	77	76	79
13C12-1,2,3,4,7,8-HxCDD	80	78	76	78	80	84
13C12-1,2,3,6,7,8-HxCDD	78	76	75	79	74	82
13C12-1,2,3,4,6,7,8-HpCDD	75	78	65	65	70	70
13C12-OCDD	55	48	37	36	44	44
13C12-2,3,7,8-TCDF	83	76	80	79	81	83
13C12-1,2,3,7,8-PeCDF	81	78	77	80	81	84
13C12-2,3,4,7,8-PeCDF	78	78	74	82	82	87
13C12-1,2,3,4,7,8-HxCDF	85	83	86	85	83	89
13C12-1,2,3,6,7,8-HxCDF	86	83	87	88	84	94
13C12-2,3,4,6,7,8-HxCDF	88	86	88	92	87	96
13C12-1,2,3,7,8,9-HxCDF	83	80	80	81	81	87
13C12-1,2,3,4,6,7,8-HpCDF	74	75	71	71	71	76
13C12-1,2,3,4,7,8,9-HpCDF	72	74	65	65	68	68
Cleanup Standard						
37Cl4-2,3,7,8-TCDD (Cleanup)	78	71	73	79	82	85
Homologue Group Totals	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Total-TCDD	25.4	16.7	5.07	5.79	7.24	11.0
Total-PeCDD	52.1	44.5	5.62	16.2	15.3	25.2
Total-HxCDD	273	255	22.0	29.2	39.7	72.2
Total-HpCDD	2320	2210	75.3	108	208	365
Total-TCDF	18.7	12.7	63.2	13.8	10.3	20.7
Total-PeCDF	79.3	74.5	13.8	8.70	14.9	36.6
Total-HxCDF	300	284	17.1	18.4	39.6	82.6
Total-HpCDF	757	719	30.7	32.1	80.9	149
Toxic Equivalency - (WHO 2005)						
Lower Bound PCDD/F TEQ (WHO 2005)	44.8	41.5	2.94	3.36	6.06	9.32
Mid Point PCDD/F TEQ (WHO 2005)	46.1	43.0	2.97	3.36	7.50	9.81
Upper Bound PCDD/F TEQ (WHO 2005)	46.1	43.0	2.97	3.36	7.50	9.81

MW 12-9-20

ALS Life Sciences

Sample Analysis Summary Report

Sample Name	20375671	20375672	20375673	20375675	20375676
ALS Sample ID	L2513652-6	L2513652-7	L2513652-8	L2513652-9	L2513652-10
Sample Size	19.13	19.14	19.10	12.59	19.10
Sample size units	g	g	g	g	g
Percent Moisture	5.58%	5.50%	5.84%	5.38%	5.74%
Sample Matrix	Soil	Soil	Soil	Soil	Soil
Sampling Date	13-Sep-20	13-Sep-20	13-Sep-20	13-Sep-20	13-Sep-20
Extraction Date	21-Oct-20	21-Oct-20	21-Oct-20	21-Oct-20	21-Oct-20
Target Analytes	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
2,3,7,8-TCDD	2.71	2.59	7.74	2.94	3.27
1,2,3,7,8-PeCDD	5.43 J	6.33	12.6	7.10	9.80
1,2,3,4,7,8-HxCDD	<7.9 U	7.72	21.1	7.39	10.6
1,2,3,6,7,8-HxCDD	27.5	24.2	29.2	21.6	26.0
1,2,3,7,8,9-HxCDD	17.9	18.5	30.0	17.8	26.1
1,2,3,4,6,7,8-HpCDD	652	479	737	488	556
OCDD	5640	3740	5160	3760	4090
2,3,7,8-TCDF	9.50	5.67	1.67	5.29	5.53
1,2,3,7,8-PeCDF	6.78 J	4.60	1.73 J	4.02	5.00
2,3,4,7,8-PeCDF	11.1 J	8.35	3.18	7.52	9.50
1,2,3,4,7,8-HxCDF	15.9	11.7	6.46	11.6	13.0
1,2,3,6,7,8-HxCDF	12.3 J	7.25	3.80	6.88	8.30
2,3,4,6,7,8-HxCDF	<19 UJ	12.5	<7.7 UJ	<12 UJ	<13 U
1,2,3,7,8,9-HxCDF	5.35 J	3.92	2.50	3.68	4.36
1,2,3,4,6,7,8-HpCDF	204	131	79.3	136	140
1,2,3,4,7,8,9-HpCDF	14.9	10.9	6.56	9.73	11.6
OCDF	617	403	239	437	491
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	71	78	70	76	77
13C12-1,2,3,7,8-PeCDD	70	75	67	69	66
13C12-1,2,3,4,7,8-HxCDD	63	77	70	69	65
13C12-1,2,3,6,7,8-HxCDD	69	72	70	71	73
13C12-1,2,3,4,6,7,8-HpCDD	68	69	58	64	62
13C12-OCDD	45	49	33	38	37
13C12-2,3,7,8-TCDF	67	77	70	75	74
13C12-1,2,3,7,8-PeCDF	69	78	72	72	69
13C12-2,3,4,7,8-PeCDF	69	80	72	71	67
13C12-1,2,3,4,7,8-HxCDF	63	82	77	69	68
13C12-1,2,3,6,7,8-HxCDF	64	85	76	76	75
13C12-2,3,4,6,7,8-HxCDF	69	85	76	75	76
13C12-1,2,3,7,8,9-HxCDF	64	80	71	69	72
13C12-1,2,3,4,6,7,8-HpCDF	55	73	61	61	64
13C12-1,2,3,4,7,8,9-HpCDF	55	65	52	57	54
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	74	75	73	71	75
Homologue Group Totals	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Total-TCDD	19.9	38.6	58.7	38.3	48.4
Total-PeCDD	38.0	81.6	124	79.6	112
Total-HxCDD	233	227	425	215	289
Total-HpCDD	1520	923	1750	961	1070
Total-TCDF	157	132	27.8	101	129
Total-PeCDF	151	122	43.4	114	139
Total-HxCDF	334	229	145	228	270
Total-HpCDF	763	442	261	468	499
Toxic Equivalency - (WHO 2005)					
Lower Bound PCDD/F TEQ (WHO 2005)	31.1	28.2	40.7	27.4	33.9
Mid Point PCDD/F TEQ (WHO 2005)	33.8	28.2	41.4	28.6	35.2
Upper Bound PCDD/F TEQ (WHO 2005)	33.8	28.2	41.4	28.6	35.2

12-9-20

MEMORANDUM

DATE: November 11, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Organic Data Validation Memorandum, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 2 water samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. Analysis for Formaldehyde (EPA Method 556) was performed by Weck Laboratories, Inc., Hacienda Heights, California. All sample analyses were evaluated following EPA's Stage 2B and/or 4 Data Validation Manual Process (S2B/4VM).

The samples were numbered: 20385679 20385699

Data Qualifications:

1. **Sample Holding Times: Acceptable.**

The samples were maintained and received within the QC limits of 4°C ± 2°C. The samples were collected between September 12 and 13, 2020, and were analyzed by September 22, 2020, therefore meeting QC criteria of less than 14 days between collection and analysis for water samples.

2. **Initial Calibration: Acceptable.**

Calculations were verified as correct. All relative percent differences (RPDs) were less than or equal to the laboratory control limits.

3. **Continuing Calibration: Acceptable.**

Calculations were verified as correct. All percent differences were less than or equal to the laboratory control limits.

4. **Blanks: Acceptable.**

A method blank was analyzed at the required frequency and was not detected in the method blank.

5. **System Monitoring Compounds (SMC): Acceptable.**

All recoveries of the SMCs were greater than 10% and within QC limits.

6. **Blank Spikes (BS) and BS Duplicate (BSD) Analyses: Acceptable.**

BS and BSD results were within laboratory QC limits.

7. **Duplicates: Acceptable.**

All spike duplicate results were within laboratory QC limits.

8. **Quantitation and Quantitation Limits: Acceptable.**

Sample quantitation and sample quantitation limits were correctly calculated.

9. **Laboratory Contact: Not Required.**

No laboratory contact was required.

10. **Overall Assessment of Data for Use**

A total of two results were validated in this data memorandum. No sample results were qualified as estimated quantities (J) based on duplicate precision outliers, spike accuracy outliers, holding time outliers, incorrect sample containers, or sample temperature outliers. No sample results were rejected (R).

The overall usefulness of the data is based on the criteria outlined in the Site-Specific Sampling Plan and/or Sampling and Quality Assurance Plan, the analytical method(s), the EPA Region 10 Emergency Management Program SOG 144E Analytical Data Validation, and/or the Office of Emergency and Remedial Response Publication "National Functional Guidelines for Superfund Organic Methods Data Review, January 2017". Based upon the information provided, the data are acceptable for use with the above stated data qualifications.

Data Qualifiers and Definitions

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

R - The data is rejected and unusable. The analyte may or may not be present in the sample.

U - The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

UJ - The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.

ALS Environmental - Kelso
1317 South 13th Ave
Kelso, WA 98626

Project Number: Ecology and Environment

Project Manager: Mark Harris

Reported:
09/25/2020 15:52

Sample Results

Sample: 20385679
0I17043-01 (Water)

Sampled: 09/14/20 14:05 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Aldehydes and Carbonyl Compounds by GC/ECD						
Method: EPA 556		**Instr:** GC08				
Batch ID: W0I1071 **Preparation:** EPA 556/Micro Ext.		**Prepared:** 09/21/20 08:29				**Analyst:** amw
Formaldehyde	ND	2.0 U	ug/l	1	09/22/20	
Surrogate(s)						
2,4,5-TFAP	*98%*	*Conc: 19.6*	*70-130*		*09/22/20*	

Sample: 20385699
0I17043-02 (Water)

Sampled: 09/14/20 15:35 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Aldehydes and Carbonyl Compounds by GC/ECD						
Method: EPA 556		**Instr:** GC08				
Batch ID: W0I1071 **Preparation:** EPA 556/Micro Ext.		**Prepared:** 09/21/20 08:29				**Analyst:** amw
Formaldehyde	ND	2.0 U	ug/l	1	09/22/20	
Surrogate(s)						
2,4,5-TFAP	*98%*	*Conc: 19.6*	*70-130*		*09/22/20*	

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MEMORANDUM

DATE: November 11, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington MW

SUBJ: **Organic Data Validation Memorandum, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 3 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. Analysis for Total Organic Carbon (TOC; EPA Method 9060) was performed by ALS Environmental, Inc., Kelso, Washington. All sample analyses were evaluated following EPA's Stage 2B and/or 4 Data Validation Manual Process (S2B/4VM).

The samples were numbered: 20375674 20385668 20385672

Data Qualifications:

1. **Sample Holding Times: Acceptable.**

The samples were maintained at 4°C ± 2°C. The samples were collected between September 12 and 13, 2020, extracted and analyzed by October 6, 2020, therefore meeting QC criteria of less than 28 days between collection, extraction, and analysis for soil samples.

2. **Initial Calibration: Acceptable.**

Calculations were verified as correct. All correlation coefficients were within the laboratory control limits.

3. **Continuing Calibration: Acceptable.**

Calculations were verified as correct. All percent differences (%Ds) were within the laboratory control limits.

4. **Blanks: Acceptable.**

A method blank was analyzed for each extraction batch for each matrix and analysis system. There were no detections in the method or calibration blank.

5. **Blank Spike (BS): Acceptable.**

BS recoveries were within QC limits.

6. Laboratory Contact: Not Required.

No laboratory contact was required.

7. Overall Assessment of Data for Use

A total of three results were validated in this data memorandum. No sample results were qualified as estimated quantities (J) based on blank spike accuracy outliers, holding time outliers, incorrect sample containers, or sample temperature outliers. No sample results were rejected (R).

The reviewer used professional judgment to apply a single bias qualifier when more than one bias qualifier was applicable to an individual estimated sample result.

The overall usefulness of the data is based on the criteria outlined in the Site-Specific Sampling Plan and/or Sampling and Quality Assurance Plan, the analytical method(s), the EPA Region 10 Emergency Management Program SOG 144E Analytical Data Validation, and/or the Office of Emergency and Remedial Response Publication "National Functional Guidelines for Superfund Organic Methods Data Review, January 2017". Based upon the information provided, the data are acceptable for use with the above stated data qualifications.

Data Qualifiers and Definitions

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

R - The data is rejected and unusable. The analyte may or may not be present in the sample.

U - The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

UJ - The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 - 09/13/20
Sample Matrix:	Soil	**Date Received:**	09/16/20
Analysis Method:	9060	**Units:**	Percent
Prep Method:	Method	**Basis:**	Dry, per Method

Carbon, Total Organic (TOC)

Sample Name	Lab Code	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
20375674	K2008022-002	**11.5**	0.10	0.02	1	10/06/20 19:35	10/6/20	
20385668	K2008022-003	**5.52**	0.10	0.02	1	10/06/20 19:35	10/6/20	
20385672	K2008022-007	**8.99**	0.10	0.02	1	10/06/20 19:35	10/6/20	
Method Blank	K2008022-MB	~~ND U~~	0.10	0.02	1	10/06/20 19:35	10/6/20	

MW 11/20/20

MEMORANDUM

DATE: November 11, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Organic Data Validation Memorandum, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 10 soil samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. Analysis for Target Analyte List metals (EPA 6000/7000 Series Methods) was performed by ALS Environmental, Inc., Kelso, Washington. All sample analyses were evaluated following EPA's Stage 2B and/or 4 Data Validation Manual Process (S2B/4VM).

The samples were numbered:

20375667	20375674	20385668	20385669	20385670
20385671	20385672	20385673	20385675	20385676

Data Qualifications:

1. Sample Holding Times: Acceptable.

The samples were maintained at < 6°C (only applies to mercury). The samples were collected between September 12 and 13, 2020, and were analyzed by October 9, 2020, therefore meeting QC criteria of less than 6 months between collection, extraction, and analysis (28 days for mercury).

2. Initial and Continuing Calibration: Acceptable.

A minimum of one calibration standard and a blank were analyzed at the beginning of the ICP analysis sequence and after every 10 samples. No results were greater than 110% of the highest calibration standard. All ICP recoveries were within the QC limits. All AA recoveries were within QC limits and the initial calibration correlation coefficient was > 0.995.

3. Blanks: Acceptable.

A preparation blank was analyzed for each 20 samples or per matrix per concentration level. Blanks were analyzed after each Initial or Continuing Calibration Verification. There were no detections in any blanks that potentially affected sample results.

4. ICP Interference Check Sample: Acceptable.

An Interference Check Sample (ICS) was analyzed at the beginning of each sequence or at least twice every 8 hours, whichever was more frequent. All applicable ICS (solution AB) results were within

QC limits of 80% - 120% recovery.

5. ICP Serial Dilution: Acceptable.

A serial dilution analysis was performed per matrix per concentration or per sample delivery group, whichever was more frequent. All serial dilution results were within QC limits.

6. Matrix Spike Analysis: Satisfactory.

A matrix spike analysis was performed per SDG or per matrix per concentration level, whichever was more frequent. Spike recoveries were within the QC limits except antimony and lead with low recoveries (associated positive results and sample quantitation limits were qualified as estimated quantities [J or UJ]).

7. Duplicate Analysis: Satisfactory.

A laboratory duplicate analysis was performed per SDG or per matrix per concentration level, whichever was more frequent. All duplicate results were within QC limits except antimony, arsenic, and iron; associated positive results and sample quantitation limits were qualified as estimated quantities (J or UJ).

8. Laboratory Control Sample Analysis: Acceptable.

A Laboratory Control Sample (LCS) was analyzed per SDG per matrix. All LCS results were within the established control limits.

9. Overall Assessment of Data for Use

A total of 230 results were validated in this data memorandum. No sample results were qualified as estimated quantities (J) based on holding time outliers, incorrect sample containers, sample temperature outliers, or serial dilution outliers. No sample results were rejected (R). A total of 30 sample results were qualified as estimated quantities (J) based on duplicate precision outliers. A total of 20 sample results were qualified as estimated quantities (J) based on spike accuracy outliers. No potential contaminants of concern were detected in the laboratory blanks and were likely to have affected sample results.

The overall usefulness of the data is based on the criteria outlined in the Site-Specific Sampling Plan and/or Sampling and Quality Assurance Plan, the analytical method(s), the EPA Region 10 Emergency Management Program SOG 144E Analytical Data Validation, and/or the Office of Emergency and Remedial Response Publication "National Functional Guidelines for Superfund Inorganic Methods Data Review, January 2017". Based upon the information provided, the data are acceptable for use with the above stated data qualifications.

Data Qualifiers and Definitions

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

R - The data is rejected and unusable. The analyte may or may not be present in the sample.

U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

UJ - The material was analyzed for but was not detected. The reported detection limit is estimated because QC criteria were not met.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 17:10
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375667	**Basis:**	Dry
Lab Code:	K2008022-001		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**25200**	mg/Kg	2.0	0.5	2	10/09/20 10:54	10/08/20	
Antimony	6020A	**0.184** J	mg/Kg	0.049	0.020	5	10/09/20 09:15	10/08/20	
Arsenic	6020A	**4.29** J	mg/Kg	0.49	0.06	5	10/09/20 09:15	10/08/20	
Barium	6020A	**68.7**	mg/Kg	0.049	0.020	5	10/09/20 09:15	10/08/20	
Beryllium	6020A	**0.329**	mg/Kg	0.020	0.006	5	10/09/20 09:15	10/08/20	
Cadmium	6020A	**0.210**	mg/Kg	0.020	0.007	5	10/09/20 09:15	10/08/20	
Calcium	6010C	**3740**	mg/Kg	3.9	1.0	2	10/09/20 10:54	10/08/20	
Chromium	6020A	**78.5**	mg/Kg	0.20	0.06	5	10/09/20 09:15	10/08/20	
Cobalt	6020A	**14.6**	mg/Kg	0.020	0.006	5	10/09/20 09:15	10/08/20	
Copper	6020A	**50.8**	mg/Kg	0.098	0.039	5	10/09/20 09:15	10/08/20	
Iron	6010C	**35000** J	mg/Kg	7.9	2.0	2	10/09/20 10:54	10/08/20	
Lead	6020A	**20.2** J	mg/Kg	0.049	0.020	5	10/09/20 09:15	10/08/20	
Magnesium	6010C	**12500**	mg/Kg	2.0	0.2	2	10/09/20 10:54	10/08/20	
Manganese	6020A	**513**	mg/Kg	0.98	0.20	50	10/09/20 11:35	10/08/20	
Mercury	7471B	**0.111**	mg/Kg	0.020	0.002	1	10/07/20 14:22	10/05/20	
Nickel	6020A	**76.3**	mg/Kg	0.20	0.03	5	10/09/20 09:15	10/08/20	
Potassium	6010C	**982**	mg/Kg	79	10	2	10/09/20 10:54	10/08/20	
Selenium	6020A	**0.42** J Q	mg/Kg	0.98	0.09	5	10/09/20 09:15	10/08/20	
Silver	6020A	**0.060**	mg/Kg	0.020	0.004	5	10/09/20 09:15	10/08/20	
Sodium	6010C	**133**	mg/Kg	39	5	2	10/09/20 10:54	10/08/20	
Thallium	6020A	**0.080**	mg/Kg	0.020	0.004	5	10/09/20 09:15	10/08/20	
Vanadium	6020A	**79.3**	mg/Kg	0.20	0.03	5	10/09/20 09:15	10/08/20	
Zinc	6020A	**150**	mg/Kg	0.49	0.20	5	10/09/20 09:15	10/08/20	

MW 11-10-20

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/12/20 15:40
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20375674	**Basis:**	Dry
Lab Code:	K2008022-002		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**22200**	mg/Kg	1.7	0.4	2	10/09/20 10:57	10/08/20	
Antimony	6020A	**0.094** J	mg/Kg	0.043	0.017	5	10/09/20 09:18	10/08/20	
Arsenic	6020A	**4.18** J	mg/Kg	0.43	0.05	5	10/09/20 09:18	10/08/20	
Barium	6020A	**81.3**	mg/Kg	0.043	0.017	5	10/09/20 09:18	10/08/20	
Beryllium	6020A	**0.350**	mg/Kg	0.017	0.005	5	10/09/20 09:18	10/08/20	
Cadmium	6020A	**0.375**	mg/Kg	0.017	0.006	5	10/09/20 09:18	10/08/20	
Calcium	6010C	**4340**	mg/Kg	3.4	0.9	2	10/09/20 10:57	10/08/20	
Chromium	6020A	**67.1**	mg/Kg	0.17	0.05	5	10/09/20 09:18	10/08/20	
Cobalt	6020A	**23.1**	mg/Kg	0.017	0.005	5	10/09/20 09:18	10/08/20	
Copper	6020A	**57.3**	mg/Kg	0.085	0.034	5	10/09/20 09:18	10/08/20	
Iron	6010C	**30300** J	mg/Kg	6.8	1.7	2	10/09/20 10:57	10/08/20	
Lead	6020A	**15.2** J	mg/Kg	0.043	0.017	5	10/09/20 09:18	10/08/20	
Magnesium	6010C	**11700**	mg/Kg	1.7	0.2	2	10/09/20 10:57	10/08/20	
Manganese	6020A	**1140**	mg/Kg	0.85	0.17	50	10/09/20 11:37	10/08/20	
Mercury	7471B	**0.066**	mg/Kg	0.019	0.002	1	10/07/20 14:24	10/05/20	
Nickel	6020A	**69.8**	mg/Kg	0.17	0.03	5	10/09/20 09:18	10/08/20	
Potassium	6010C	**1060**	mg/Kg	68	9	2	10/09/20 10:57	10/08/20	
Selenium	6020A	**0.37** J Q	mg/Kg	0.85	0.08	5	10/09/20 09:18	10/08/20	
Silver	6020A	**0.067**	mg/Kg	0.017	0.003	5	10/09/20 09:18	10/08/20	
Sodium	6010C	**174**	mg/Kg	34	4	2	10/09/20 10:57	10/08/20	
Thallium	6020A	**0.076**	mg/Kg	0.017	0.003	5	10/09/20 09:18	10/08/20	
Vanadium	6020A	**75.8**	mg/Kg	0.17	0.03	5	10/09/20 09:18	10/08/20	
Zinc	6020A	**93.1**	mg/Kg	0.43	0.17	5	10/09/20 09:18	10/08/20	

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Superset Reference: MW 11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 15:26
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385668	**Basis:**	Dry
Lab Code:	K2008022-003		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**34300**	mg/Kg	1.9	0.5	2	10/09/20 11:00	10/08/20	
Antimony	6020A	**0.329** J	mg/Kg	0.048	0.019	5	10/09/20 09:20	10/08/20	
Arsenic	6020A	**8.05** J	mg/Kg	0.48	0.06	5	10/09/20 09:20	10/08/20	
Barium	6020A	**535**	mg/Kg	0.048	0.019	5	10/09/20 09:20	10/08/20	
Beryllium	6020A	**0.318**	mg/Kg	0.019	0.006	5	10/09/20 09:20	10/08/20	
Cadmium	6020A	**0.221**	mg/Kg	0.019	0.007	5	10/09/20 09:20	10/08/20	
Calcium	6010C	**16500**	mg/Kg	3.8	1.0	2	10/09/20 11:00	10/08/20	
Chromium	6020A	**93.4**	mg/Kg	0.19	0.06	5	10/09/20 09:20	10/08/20	
Cobalt	6020A	**15.3**	mg/Kg	0.019	0.006	5	10/09/20 09:20	10/08/20	
Copper	6020A	**85.3**	mg/Kg	0.095	0.038	5	10/09/20 09:20	10/08/20	
Iron	6010C	**39400** J	mg/Kg	7.6	1.9	2	10/09/20 11:00	10/08/20	
Lead	6020A	**19.4** J	mg/Kg	0.048	0.019	5	10/09/20 09:20	10/08/20	
Magnesium	6010C	**14900**	mg/Kg	1.9	0.2	2	10/09/20 11:00	10/08/20	
Manganese	6020A	**1340**	mg/Kg	0.95	0.19	50	10/09/20 11:39	10/08/20	
Mercury	7471B	**0.090**	mg/Kg	0.019	0.002	1	10/07/20 14:28	10/05/20	
Nickel	6020A	**101**	mg/Kg	0.19	0.03	5	10/09/20 09:20	10/08/20	
Potassium	6010C	**3880**	mg/Kg	76	10	2	10/09/20 11:00	10/08/20	
Selenium	6020A	**0.75** J Q	mg/Kg	0.95	0.09	5	10/09/20 09:20	10/08/20	
Silver	6020A	**0.412**	mg/Kg	0.019	0.004	5	10/09/20 09:20	10/08/20	
Sodium	6010C	**475**	mg/Kg	38	5	2	10/09/20 11:00	10/08/20	
Thallium	6020A	**0.075**	mg/Kg	0.019	0.004	5	10/09/20 09:20	10/08/20	
Vanadium	6020A	**94.5**	mg/Kg	0.19	0.03	5	10/09/20 09:20	10/08/20	
Zinc	6020A	**187**	mg/Kg	0.48	0.19	5	10/09/20 09:20	10/08/20	

MW 11-10-20

ALS Group USA, Corp.
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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 14:48
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385669	**Basis:**	Dry
Lab Code:	K2008022-004		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**34600**	mg/Kg	2.0	0.5	2	10/09/20 11:26	10/08/20	
Antimony	6020A	**0.221** J	mg/Kg	0.049	0.020	5	10/09/20 09:29	10/08/20	
Arsenic	6020A	**6.50** J	mg/Kg	0.49	0.06	5	10/09/20 09:29	10/08/20	
Barium	6020A	**264**	mg/Kg	0.049	0.020	5	10/09/20 09:29	10/08/20	
Beryllium	6020A	**0.319**	mg/Kg	0.020	0.006	5	10/09/20 09:29	10/08/20	
Cadmium	6020A	**0.205**	mg/Kg	0.020	0.007	5	10/09/20 09:29	10/08/20	
Calcium	6010C	**6510**	mg/Kg	3.9	1.0	2	10/09/20 11:26	10/08/20	
Chromium	6020A	**94.0**	mg/Kg	0.20	0.06	5	10/09/20 09:29	10/08/20	
Cobalt	6020A	**15.8**	mg/Kg	0.020	0.006	5	10/09/20 09:29	10/08/20	
Copper	6020A	**70.1**	mg/Kg	0.098	0.039	5	10/09/20 09:29	10/08/20	
Iron	6010C	**39200** J	mg/Kg	7.9	2.0	2	10/09/20 11:26	10/08/20	
Lead	6020A	**18.0** J	mg/Kg	0.049	0.020	5	10/09/20 09:29	10/08/20	
Magnesium	6010C	**13700**	mg/Kg	2.0	0.2	2	10/09/20 11:26	10/08/20	
Manganese	6020A	**896**	mg/Kg	0.98	0.20	50	10/09/20 11:45	10/08/20	
Mercury	7471B	**0.089**	mg/Kg	0.019	0.002	1	10/07/20 14:30	10/05/20	
Nickel	6020A	**98.5**	mg/Kg	0.20	0.03	5	10/09/20 09:29	10/08/20	
Potassium	6010C	**2160**	mg/Kg	79	10	2	10/09/20 11:26	10/08/20	
Selenium	6020A	**0.64** J	mg/Kg	0.98	0.09	5	10/09/20 09:29	10/08/20	
Silver	6020A	**0.181**	mg/Kg	0.020	0.004	5	10/09/20 09:29	10/08/20	
Sodium	6010C	**182**	mg/Kg	39	5	2	10/09/20 11:26	10/08/20	
Thallium	6020A	**0.078**	mg/Kg	0.020	0.004	5	10/09/20 09:29	10/08/20	
Vanadium	6020A	**94.6**	mg/Kg	0.20	0.03	5	10/09/20 09:29	10/08/20	
Zinc	6020A	**178**	mg/Kg	0.49	0.20	5	10/09/20 09:29	10/08/20	

MW 11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 16:41
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385670	**Basis:**	Dry
Lab Code:	K2008022-005		

Total Metals

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**28900**		mg/Kg	2.0	0.5	2	10/09/20 11:47	10/08/20	
Antimony	6020A	**0.624**	J	mg/Kg	0.049	0.020	5	10/09/20 09:32	10/08/20	
Arsenic	6020A	**10.2**	J	mg/Kg	0.49	0.06	5	10/09/20 09:32	10/08/20	
Barium	6020A	**936**		mg/Kg	0.049	0.020	5	10/09/20 09:32	10/08/20	
Beryllium	6020A	**0.313**		mg/Kg	0.020	0.006	5	10/09/20 09:32	10/08/20	
Cadmium	6020A	**0.740**		mg/Kg	0.020	0.007	5	10/09/20 09:32	10/08/20	
Calcium	6010C	**22000**		mg/Kg	3.9	1.0	2	10/09/20 11:47	10/08/20	
Chromium	6020A	**83.4**		mg/Kg	0.20	0.06	5	10/09/20 09:32	10/08/20	
Cobalt	6020A	**14.8**		mg/Kg	0.020	0.006	5	10/09/20 09:32	10/08/20	
Copper	6020A	**111**		mg/Kg	0.098	0.039	5	10/09/20 09:32	10/08/20	
Iron	6010C	**37900**	J	mg/Kg	7.8	2.0	2	10/09/20 11:47	10/08/20	
Lead	6020A	**43.7**	J	mg/Kg	0.049	0.020	5	10/09/20 09:32	10/08/20	
Magnesium	6010C	**13000**		mg/Kg	2.0	0.2	2	10/09/20 11:47	10/08/20	
Manganese	6020A	**2640**		mg/Kg	0.98	0.20	50	10/09/20 11:47	10/08/20	
Mercury	7471B	**0.068**		mg/Kg	0.019	0.002	1	10/07/20 14:32	10/05/20	
Nickel	6020A	**84.7**		mg/Kg	0.20	0.03	5	10/09/20 09:32	10/08/20	
Potassium	6010C	**5230**		mg/Kg	78	10	2	10/09/20 11:47	10/08/20	
Selenium	6020A	**0.74**	J Q	mg/Kg	0.98	0.09	5	10/09/20 09:32	10/08/20	
Silver	6020A	**0.991**		mg/Kg	0.020	0.004	5	10/09/20 09:32	10/08/20	
Sodium	6010C	**621**		mg/Kg	39	5	2	10/09/20 11:47	10/08/20	
Thallium	6020A	**0.070**		mg/Kg	0.020	0.004	5	10/09/20 09:32	10/08/20	
Vanadium	6020A	**81.6**		mg/Kg	0.20	0.03	5	10/09/20 09:32	10/08/20	
Zinc	6020A	**462**		mg/Kg	0.49	0.20	5	10/09/20 09:32	10/08/20	

JMW 11/10/20

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:04
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385671	**Basis:**	Dry
Lab Code:	K2008022-006		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**21500**	mg/Kg	1.9	0.5	2	10/09/20 11:49	10/08/20	
Antimony	6020A	**6.07** J	mg/Kg	0.047	0.019	5	10/09/20 09:34	10/08/20	
Arsenic	6020A	**8.69** J	mg/Kg	0.47	0.06	5	10/09/20 09:34	10/08/20	
Barium	6020A	**299**	mg/Kg	0.047	0.019	5	10/09/20 09:34	10/08/20	
Beryllium	6020A	**0.296**	mg/Kg	0.019	0.006	5	10/09/20 09:34	10/08/20	
Cadmium	6020A	**1.26**	mg/Kg	0.019	0.007	5	10/09/20 09:34	10/08/20	
Calcium	6010C	**8940**	mg/Kg	3.7	0.9	2	10/09/20 11:49	10/08/20	
Chromium	6020A	**68.8**	mg/Kg	0.19	0.06	5	10/09/20 09:34	10/08/20	
Cobalt	6020A	**16.1**	mg/Kg	0.019	0.006	5	10/09/20 09:34	10/08/20	
Copper	6020A	**183**	mg/Kg	0.093	0.037	5	10/09/20 09:34	10/08/20	
Iron	6010C	**49000** J	mg/Kg	7.5	1.9	2	10/09/20 11:49	10/08/20	
Lead	6020A	**246** J	mg/Kg	0.047	0.019	5	10/09/20 09:34	10/08/20	
Magnesium	6010C	**8640**	mg/Kg	1.9	0.2	2	10/09/20 11:49	10/08/20	
Manganese	6020A	**1070**	mg/Kg	0.93	0.19	50	10/09/20 11:49	10/08/20	
Mercury	7471B	**0.585**	mg/Kg	0.020	0.002	1	10/07/20 14:33	10/05/20	
Nickel	6020A	**72.0**	mg/Kg	0.19	0.03	5	10/09/20 09:34	10/08/20	
Potassium	6010C	**2600**	mg/Kg	75	9	2	10/09/20 11:49	10/08/20	
Selenium	6020A	**0.42** J Q	mg/Kg	0.93	0.08	5	10/09/20 09:34	10/08/20	
Silver	6020A	**0.439**	mg/Kg	0.019	0.004	5	10/09/20 09:34	10/08/20	
Sodium	6010C	**1410**	mg/Kg	37	5	2	10/09/20 11:49	10/08/20	
Thallium	6020A	**0.054**	mg/Kg	0.019	0.004	5	10/09/20 09:34	10/08/20	
Vanadium	6020A	**64.0**	mg/Kg	0.19	0.03	5	10/09/20 09:34	10/08/20	
Zinc	6020A	**383**	mg/Kg	0.47	0.19	5	10/09/20 09:34	10/08/20	

MW 11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385672	**Basis:**	Dry
Lab Code:	K2008022-007		

Total Metals

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**23300**		mg/Kg	1.9	0.5	2	10/09/20 11:52	10/08/20	
Antimony	6020A	**2.62**	J	mg/Kg	0.048	0.019	5	10/09/20 09:37	10/08/20	
Arsenic	6020A	**15.1**	J	mg/Kg	0.48	0.06	5	10/09/20 09:37	10/08/20	
Barium	6020A	**253**		mg/Kg	0.048	0.019	5	10/09/20 09:37	10/08/20	
Beryllium	6020A	**0.302**		mg/Kg	0.019	0.006	5	10/09/20 09:37	10/08/20	
Cadmium	6020A	**0.995**		mg/Kg	0.019	0.007	5	10/09/20 09:37	10/08/20	
Calcium	6010C	**9910**		mg/Kg	3.8	1.0	2	10/09/20 11:52	10/08/20	
Chromium	6020A	**81.0**		mg/Kg	0.19	0.06	5	10/09/20 09:37	10/08/20	
Cobalt	6020A	**19.0**		mg/Kg	0.019	0.006	5	10/09/20 09:37	10/08/20	
Copper	6020A	**279**		mg/Kg	0.096	0.038	5	10/09/20 09:37	10/08/20	
Iron	6010C	**57900**	J	mg/Kg	7.7	1.9	2	10/09/20 11:52	10/08/20	
Lead	6020A	**125**	J	mg/Kg	0.048	0.019	5	10/09/20 09:37	10/08/20	
Magnesium	6010C	**9100**		mg/Kg	1.9	0.2	2	10/09/20 11:52	10/08/20	
Manganese	6020A	**879**		mg/Kg	0.96	0.19	50	10/09/20 11:50	10/08/20	
Mercury	7471B	**0.206**		mg/Kg	0.020	0.002	1	10/07/20 14:35	10/05/20	
Nickel	6020A	**83.0**		mg/Kg	0.19	0.03	5	10/09/20 09:37	10/08/20	
Potassium	6010C	**2690**		mg/Kg	77	10	2	10/09/20 11:52	10/08/20	
Selenium	6020A	**0.40**	J Q	mg/Kg	0.96	0.09	5	10/09/20 09:37	10/08/20	
Silver	6020A	**0.309**		mg/Kg	0.019	0.004	5	10/09/20 09:37	10/08/20	
Sodium	6010C	**1360**		mg/Kg	38	5	2	10/09/20 11:52	10/08/20	
Thallium	6020A	**0.061**		mg/Kg	0.019	0.004	5	10/09/20 09:37	10/08/20	
Vanadium	6020A	**72.7**		mg/Kg	0.19	0.03	5	10/09/20 09:37	10/08/20	
Zinc	6020A	**416**		mg/Kg	0.48	0.19	5	10/09/20 09:37	10/08/20	

MW 11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 10:45
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385673	**Basis:**	Dry
Lab Code:	K2008022-008		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**26100**	mg/Kg	1.9	0.5	2	10/09/20 11:55	10/08/20	
Antimony	6020A	**5.15** J	mg/Kg	0.047	0.019	5	10/09/20 09:40	10/08/20	
Arsenic	6020A	**12.2** J	mg/Kg	0.47	0.06	5	10/09/20 09:40	10/08/20	
Barium	6020A	**403**	mg/Kg	0.047	0.019	5	10/09/20 09:40	10/08/20	
Beryllium	6020A	**0.370**	mg/Kg	0.019	0.006	5	10/09/20 09:40	10/08/20	
Cadmium	6020A	**0.367**	mg/Kg	0.019	0.007	5	10/09/20 09:40	10/08/20	
Calcium	6010C	**12000**	mg/Kg	3.8	0.9	2	10/09/20 11:55	10/08/20	
Chromium	6020A	**72.5**	mg/Kg	0.19	0.06	5	10/09/20 09:40	10/08/20	
Cobalt	6020A	**16.4**	mg/Kg	0.019	0.006	5	10/09/20 09:40	10/08/20	
Copper	6020A	**92.8**	mg/Kg	0.094	0.038	5	10/09/20 09:40	10/08/20	
Iron	6010C	**43400** J	mg/Kg	7.5	1.9	2	10/09/20 11:55	10/08/20	
Lead	6020A	**32.5** J	mg/Kg	0.047	0.019	5	10/09/20 09:40	10/08/20	
Magnesium	6010C	**10400**	mg/Kg	1.9	0.2	2	10/09/20 11:55	10/08/20	
Manganese	6020A	**1160**	mg/Kg	0.94	0.19	50	10/09/20 11:52	10/08/20	
Mercury	7471B	**0.080**	mg/Kg	0.019	0.002	1	10/07/20 14:36	10/05/20	
Nickel	6020A	**73.0**	mg/Kg	0.19	0.03	5	10/09/20 09:40	10/08/20	
Potassium	6010C	**3990**	mg/Kg	75	9	2	10/09/20 11:55	10/08/20	
Selenium	6020A	**0.39** J Q	mg/Kg	0.94	0.08	5	10/09/20 09:40	10/08/20	
Silver	6020A	**0.167**	mg/Kg	0.019	0.004	5	10/09/20 09:40	10/08/20	
Sodium	6010C	**1560**	mg/Kg	38	5	2	10/09/20 11:55	10/08/20	
Thallium	6020A	**0.052**	mg/Kg	0.019	0.004	5	10/09/20 09:40	10/08/20	
Vanadium	6020A	**70.6**	mg/Kg	0.19	0.03	5	10/09/20 09:40	10/08/20	
Zinc	6020A	**148**	mg/Kg	0.47	0.19	5	10/09/20 09:40	10/08/20	

11-10-20

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Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385675	**Basis:**	Dry
Lab Code:	K2008022-009		

Total Metals

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**25600**		mg/Kg	1.9	0.5	2	10/09/20 11:57	10/08/20	
Antimony	6020A	**2.20**	J	mg/Kg	0.047	0.019	5	10/09/20 09:42	10/08/20	
Arsenic	6020A	**9.20**	J	mg/Kg	0.47	0.06	5	10/09/20 09:42	10/08/20	
Barium	6020A	**233**		mg/Kg	0.047	0.019	5	10/09/20 09:42	10/08/20	
Beryllium	6020A	**0.351**		mg/Kg	0.094	0.028	25	10/09/20 09:54	10/08/20	
Cadmium	6020A	**0.786**		mg/Kg	0.019	0.007	5	10/09/20 09:42	10/08/20	
Calcium	6010C	**9600**		mg/Kg	3.8	0.9	2	10/09/20 11:57	10/08/20	
Chromium	6020A	**83.6**		mg/Kg	0.19	0.06	5	10/09/20 09:42	10/08/20	
Cobalt	6020A	**17.8**		mg/Kg	0.019	0.006	5	10/09/20 09:42	10/08/20	
Copper	6020A	**242**		mg/Kg	0.094	0.038	5	10/09/20 09:42	10/08/20	
Iron	6010C	**51900**	J	mg/Kg	7.5	1.9	2	10/09/20 11:57	10/08/20	
Lead	6020A	**101**	J	mg/Kg	0.047	0.019	5	10/09/20 09:42	10/08/20	
Magnesium	6010C	**10500**		mg/Kg	1.9	0.2	2	10/09/20 11:57	10/08/20	
Manganese	6020A	**799**		mg/Kg	0.94	0.19	50	10/09/20 11:54	10/08/20	
Mercury	7471B	**0.221**		mg/Kg	0.019	0.002	1	10/07/20 14:38	10/05/20	
Nickel	6020A	**86.2**		mg/Kg	0.19	0.03	5	10/09/20 09:42	10/08/20	
Potassium	6010C	**2840**		mg/Kg	75	9	2	10/09/20 11:57	10/08/20	
Selenium	6020A	**0.39**	J Q	mg/Kg	0.94	0.08	5	10/09/20 09:42	10/08/20	
Silver	6020A	**0.234**		mg/Kg	0.019	0.004	5	10/09/20 09:42	10/08/20	
Sodium	6010C	**1720**		mg/Kg	38	5	2	10/09/20 11:57	10/08/20	
Thallium	6020A	**0.069**		mg/Kg	0.019	0.004	5	10/09/20 09:42	10/08/20	
Vanadium	6020A	**79.4**		mg/Kg	0.19	0.03	5	10/09/20 09:42	10/08/20	
Zinc	6020A	**382**		mg/Kg	0.47	0.19	5	10/09/20 09:42	10/08/20	

JMW 10-20

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Ecology And Environment, Inc. - Lancaster	**Service Request:**	K2008022
Project:	BFP-038A	**Date Collected:**	09/13/20 11:30
Sample Matrix:	Soil	**Date Received:**	09/16/20 08:40
Sample Name:	20385676	**Basis:**	Dry
Lab Code:	K2008022-010		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aluminum	6010C	**23200**	mg/Kg	2.0	0.5	2	10/09/20 12:00	10/08/20	
Antimony	6020A	**16.4** J	mg/Kg	0.049	0.020	5	10/09/20 09:01	10/08/20	
Arsenic	6020A	**12.3** J	mg/Kg	0.49	0.06	5	10/09/20 09:01	10/08/20	
Barium	6020A	**272**	mg/Kg	0.049	0.020	5	10/09/20 09:01	10/08/20	
Beryllium	6020A	**0.311**	mg/Kg	0.020	0.006	5	10/09/20 09:01	10/08/20	
Cadmium	6020A	**0.977**	mg/Kg	0.020	0.007	5	10/09/20 09:01	10/08/20	
Calcium	6010C	**9460**	mg/Kg	3.9	1.0	2	10/09/20 12:00	10/08/20	
Chromium	6020A	**89.1**	mg/Kg	0.20	0.06	5	10/09/20 09:01	10/08/20	
Cobalt	6020A	**18.6**	mg/Kg	0.020	0.006	5	10/09/20 09:01	10/08/20	
Copper	6020A	**167**	mg/Kg	0.098	0.039	5	10/09/20 09:01	10/08/20	
Iron	6010C	**61200** J	mg/Kg	79	20	20	10/09/20 14:30	10/08/20	
Lead	6020A	**226** J	mg/Kg	0.049	0.020	5	10/09/20 09:01	10/08/20	
Magnesium	6010C	**9950**	mg/Kg	2.0	0.2	2	10/09/20 12:00	10/08/20	
Manganese	6020A	**978**	mg/Kg	0.98	0.20	50	10/09/20 11:26	10/08/20	
Mercury	7471B	**0.194**	mg/Kg	0.019	0.002	1	10/07/20 14:40	10/05/20	
Nickel	6020A	**83.5**	mg/Kg	0.20	0.03	5	10/09/20 09:01	10/08/20	
Potassium	6010C	**2540**	mg/Kg	79	10	2	10/09/20 12:00	10/08/20	
Selenium	6020A	**0.41** JQ	mg/Kg	0.98	0.09	5	10/09/20 09:01	10/08/20	
Silver	6020A	**0.366**	mg/Kg	0.020	0.004	5	10/09/20 09:01	10/08/20	
Sodium	6010C	**1420**	mg/Kg	39	5	2	10/09/20 12:00	10/08/20	
Thallium	6020A	**0.076**	mg/Kg	0.020	0.004	5	10/09/20 09:01	10/08/20	
Vanadium	6020A	**75.0**	mg/Kg	0.20	0.03	5	10/09/20 09:01	10/08/20	
Zinc	6020A	**431**	mg/Kg	0.49	0.20	5	10/09/20 09:01	10/08/20	

MW 11-10-20

MEMORANDUM

DATE: November 9, 2020

TO: Derek Pulvino, START-IV Project Manager, WSP, Seattle, Washington

FROM: Mark Woodke, START-IV Chemist, WSP, Seattle, Washington

SUBJ: **Organic Data Summary Check, Former Western States Plywood Cooperative Mill Site, Port Orford, Oregon**

REF: TO: TO-0380 PAN: 1004530.0380.013.01

The data summary check of 59 samples collected from the Former Western States Plywood Cooperative Mill site in Port Orford, Oregon, has been completed. These samples were analyzed for Total Petroleum Range Hydrocarbons - Diesel Range Extended at the EPA's Manchester Environmental Laboratory, Port Orchard, Washington, following Ecology method NWTPH-Dx. All sample analyses were evaluated following EPA's Stage 4 Data Validation Manual Process (S4VM).

The samples were numbered:

Soils

20375600	20375602	20375608	20375609	20375610	20375611
20375612	20375613	20375614	20375615	20375616	20375617
20375618	20375620	20375621	20375622	20375623	20375624
20375625	20375626	20375627	20375628	20375629	20375630
20375631	20375632	20375633	20375634	20375635	20375636
20375637	20375638	20375640	20375642	20375663	20375664
20375665	20375666	20385601			

Waters

20375677	20375685	20375687	20375689	20375691	20375703
20375707	20375709	20375711	20375713	20385679	20385693
20385695	20385697	20385699	20385727	20385728	20385729
20385730	20385734				

No discrepancies were noted.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

MEMORANDUM

Subject: Data Release for Total Petroleum Hydrocarbon-Diesel Range Extended Analysis from the USEPA Region 10 Laboratory

Project Name: Former Western States Plywood Cooperative Mill

Project Code: BFP-038A

From: Gerald Dodo
GERALD DODO Digitally signed by GERALD DODO Date: 2020.11.04 09:13:29 -08'00'
Laboratory Services & Applied Sciences Division
USEPA Region 10

To: Brandon Perkins
Superfund & Emergency Management Division
USEPA Region 10

CC: Derek Pulvino - E&E

I have authorized release of this data package. Attached you will find the total petroleum hydrocarbon-diesel range extended (TPH-Dx) analysis results for the above referenced project. For further information regarding the attached data, contact Dana Walker at 360-871-8704.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Drive East
Port Orchard, Washington 98366

QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

November 2, 2020

DANA WALKER

Digitally signed by DANA WALKER
Date: 2020.11.04 06:50:17 -08'00'

From: Dana Walker
Laboratory Services & Applied Sciences Division, US EPA Region 10 Laboratory

To: Brandon Perkins
RE: Former Western States Plywood Cooperative Mill
Project Code: BFP-038A
Account Code: 0202021B10P000D43G000BZ00

TPH-Dx

Soils

20375600	20375602	20375608	20375609	20375610	20375611
20375612	20375613	20375614	20375615	20375616	20375617
20375618	20375620	20375621	20375622	20375623	20375624
20375625	20375626	20375627	20375628	20375629	20375630
20375631	20375632	20375633	20375634	20375635	20375636
20375637	20375638	20375640	20375642	20375663	20375664
20375665	20375666	20385601			

Waters

20375677	20375685	20375687	20375689	20375691	20375703
20375707	20375709	20375711	20375713	20385679	20385693
20385695	20385697	20385699	20385727	20385728	20385729
20385730	20385734				

The following describes the quality assurance review of the data for the analysis parameters and samples listed above. The analyses were performed by the US EPA Region 10 Laboratory in Port Orchard, WA, following US EPA and Laboratory guidelines.

1. Data Qualifications

The US EPA Region 10 Laboratory has been accredited by A2LA and has Certificate Number 5027.01. For those tests for which the Laboratory has been accredited by A2LA, results in this report comply with ISO IEC 17025:2017 and the 2009 TNI Environmental Testing Laboratory Standard.

Field information was provided to the laboratory from other sources, such as Chain of Custody records.

The data and associated documents were reviewed against the quality control criteria outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). The following areas were reviewed against these quality control measures:

Sample Transport and Receipt
Sample Holding Times
Sample Preparation
Initial Calibration/Continuing Calibration Verification
Laboratory Control Samples
Blank Analysis
Surrogate Spikes
Duplicate Analysis
Matrix Spike/Matrix Spike Duplicate (MS/MSD)
Internal Standard Performance
Reference Materials
Compound Quantitation
Analyte Identification

2. Areas Not Meeting Laboratory/QAPP Criteria

None.

3. Compound Quantitation.

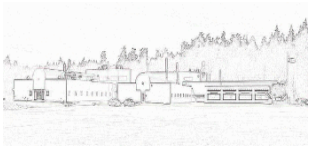
Diesel range organics is a collective term for petroleum products that generally elute before motor oil but after gasoline from the gas chromatograph. Some samples in this package had reportable Diesel range organics. Motor oil range organics is a collective term for any petroleum product that chromatographically consists primarily of an unresolved envelope of compounds generally eluting after #2 diesel. Included in the definition are hydraulic fluids, motor oils, lubricating oils, cutting oils, mineral oils, transmission fluids, etc. Some samples in this package had reportable Motor oil range organics.

4. Data Qualifiers

Data for all samples and analytes were assessed for compliance with each of the requirements described in Section 1. Data qualifiers were assigned, as necessary, to alert the user to instances where data did not meet all requirements. In cases where more than one QC failure occurred, the most restrictive data qualifier has been applied to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier considering the project's data quality objectives. Should questions arise regarding the data, contact Dana Walker at the Region 10 Laboratory, phone number (360) 871-8704.

Qualifier	Definition
U	The analyte was not detected at or above the reported value.
J	The identification of the analyte is acceptable; however, the reported value is an estimate.
UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
R	The presence or absence of the analyte cannot be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification.
NA	Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification.



US EPA Region 10 Laboratory

Multi-Analyte Final Report

Project Code : BFP-038A
Site : FORMER WESTERN STATES PLYWOOD COOPERATIVE MILL
Contact : Brandon Perkins
Account : 20202021B10P000D43G000BZ00

Sample : 20375600

Information : SL01GP01
Matrix : Soil
Collected : 9/9/2020 9:58:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/21/20	1

Sample : 20375602

Information : SL02GP01
Matrix : Soil
Collected : 9/9/2020 11:17:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	47	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/21/20	1

Sample : 20375608

Information : SL05GP01
Matrix : Soil
Collected : 9/9/2020 3:51:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	55	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	140	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/21/20	1

Sample : 20375609

Information : SL05GP02
Matrix : Soil
Collected : 9/9/2020 4:07:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	51	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	130	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/21/20	1

Sample : 20375610

Information : SL06GP01
Matrix : Soil
Collected : 9/9/2020 5:04:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
***400009**	**TPH-GC/Diesel Range Organics**	**270**	**mg/Kg**		10/ 1/20	1
***400010**	**TPH-GC/Motor Oil Range Organics**	**150**	**mg/Kg**		10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	90	%Rec		10/ 1/20	1

Sample : 20375611

Information : SL06GP02
Matrix : Soil
Collected : 9/9/2020 5:24:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	50	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/21/20	1

Sample : 20375612

Information : SL07GP01
Matrix : Soil
Collected : 9/10/2020 8:42:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	46	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	103	%Rec		10/ 1/20	1

Sample : 20375613

Information : SL07GP02
Matrix : Soil
Collected : 9/10/2020 10:24:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	47	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		10/ 1/20	1

Sample : 20375614

Information : SL08TP01
Matrix : Soil
Collected : 9/9/2020 1:45:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	45	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		10/ 1/20	1

Sample : 20375615

Information : SL08TP02
Matrix : Soil
Collected : 9/9/2020 2:11:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	45	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/21/20	1

Sample : 20375616

Information : SL09GP01
Matrix : Soil
Collected : 9/10/2020 11:32:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	45	mg/Kg	U	10/ 1/20	1
***400010**	**TPH-GC/Motor Oil Range Organics**	**160**	**mg/Kg**		10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	92	%Rec		10/ 1/20	1

Sample : 20375617

Information : OP01TP03
Matrix : Soil
Collected : 9/11/2020 2:13:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
***400009**	**TPH-GC/Diesel Range Organics**	**200**	**mg/Kg**		10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	88	%Rec		10/ 1/20	1

Sample : 20375618

Information : SL10GP01
Matrix : Soil
Collected : 9/10/2020 12:39:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	46	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/21/20	1

Sample : 20375620

Information : SL11TP01
Matrix : Soil
Collected : 9/11/2020 10:48:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	56	mg/Kg	U	10/ 1/20	1
***400010**	**TPH-GC/Motor Oil Range Organics**	**790**	**mg/Kg**		10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		10/ 1/20	1

Sample : 20375621

Information : SL11TP02
Matrix : Soil
Collected : 9/11/2020 11:33:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	47	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		10/ 1/20	1

Sample : 20375622

Information : SL12TP01
Matrix : Soil
Collected : 9/11/2020 10:03:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	42	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	100	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/22/20	1

Sample : 20375623

Information : SL12TP02
Matrix : Soil
Collected : 9/11/2020 10:14:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	47	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/22/20	1

Sample : 20375624

Information : SL13TP01
Matrix : Soil
Collected : 9/11/2020 12:59:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	57	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	140	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/22/20	1

Sample : 20375625

Information : SL13TP02
Matrix : Soil
Collected : 9/11/2020 12:51:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	55	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	140	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		9/22/20	1

Sample : 20375626

Information : SL14GP01
Matrix : Soil
Collected : 9/10/2020 1:54:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	47	mg/Kg	U	10/ 1/20	1
***400010**	**TPH-GC/Motor Oil Range Organics**	**220**	**mg/Kg**		10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		10/ 1/20	1

Sample : 20375627

Information : SL14GP02
Matrix : Soil
Collected : 9/10/2020 4:25:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	53	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	130	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	105	%Rec		9/22/20	1

Sample : 20375628

Information : SL15GP01
Matrix : Soil
Collected : 9/11/2020 9:16:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	50	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/22/20	1

Sample : 20375629

Information : SL15GP02
Matrix : Soil
Collected : 9/11/2020 9:53:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	45	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/22/20	1

Sample : 20375630

Information : SL16TP01
Matrix : Soil
Collected : 9/10/2020 9:25:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	54	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	130	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/22/20	1

Sample : 20375631

Information : SL16TP02
Matrix : Soil
Collected : 9/10/2020 10:12:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	51	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	130	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/22/20	1

Sample : 20375632

Information : SL17GP01
Matrix : Soil
Collected : 9/11/2020 10:30:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	46	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		10/ 1/20	1

Sample : 20375633

Information : SL17GP02
Matrix : Soil
Collected : 9/11/2020 12:37:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	44	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/22/20	1

Sample : 20375634

Information : SL18GP01
Matrix : Soil
Collected : 9/12/2020 8:52:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	47	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/22/20	1

Sample : 20375635

Information : SL18GP02
Matrix : Soil
Collected : 9/12/2020 9:38:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	52	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	130	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	100	%Rec		9/22/20	1

Sample : 20375636

Information : SL19TP01
Matrix : Soil
Collected : 9/9/2020 3:14:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	46	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		10/ 1/20	1

Sample : 20375637

Information : SL19TP02
Matrix : Soil
Collected : 9/9/2020 3:45:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	104	%Rec		9/22/20	1

Sample : 20375638

Information : SL20GP01
Matrix : Soil
Collected : 9/11/2020 1:40:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	91	%Rec		10/ 1/20	1

Sample : 20375640

Information : SL21GP01
Matrix : Soil
Collected : 9/12/2020 10:10:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/22/20	1

Sample : 20375642

Information : SL22GP01
Matrix : Soil
Collected : 9/12/2020 10:44:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	52	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	130	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/22/20	1

Sample : 20375663

Information : SL16TP03
Matrix : Soil
Collected : 9/10/2020 9:47:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	55	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	140	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/22/20	1

Sample : 20375664

Information : SL16TP04
Matrix : Soil
Collected : 9/10/2020 10:25:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/22/20	1

Sample : 20375665

Information : OP01TP01
Matrix : Soil
Collected : 9/11/2020 1:25:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	54	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	140	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	90	%Rec		10/ 1/20	1

Sample : 20375666

Information : OP01TP02
Matrix : Soil
Collected : 9/11/2020 1:45:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
***400009**	**TPH-GC/Diesel Range Organics**	**380**	**mg/Kg**		10/ 1/20	1
***400010**	**TPH-GC/Motor Oil Range Organics**	**280**	**mg/Kg**		10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		10/ 1/20	1

Sample : 20375677

Information : SL01GW
Matrix : Water
Collected : 9/9/2020 12:32:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	86	%Rec		9/17/20	1

Sample : 20375685

Information : SL05GW
Matrix : Water
Collected : 9/9/2020 5:51:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		9/17/20	1

Sample : 20375687

Information : SL06GW
Matrix : Water
Collected : 9/10/2020 9:34:00AM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.19	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	89	%Rec		9/17/20	1

Sample : 20375689

Information : SL07GW
Matrix : Water
Collected : 9/10/2020 12:17:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		9/17/20	1

Sample : 20375691

Information : SL10GW
Matrix : Water
Collected : 9/10/2020 2:21:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.19	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		9/17/20	1

Sample : 20375703

Information : SL15GW
Matrix : Water
Collected : 9/11/2020 11:16:00AM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.19	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.48	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	94	%Rec		9/17/20	1

Sample : 20375707

Information : SL18GW
Matrix : Water
Collected : 9/12/2020 11:10:00AM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		9/17/20	1

Sample : 20375709

Information : SL20GW
Matrix : Water
Collected : 9/11/2020 3:34:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	68	%Rec		9/17/20	1

Sample : 20375711

Information : SL21GW
Matrix : Water
Collected : 9/12/2020 12:40:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	78	%Rec		9/17/20	1

Sample : 20375713

Information : SL22GW
Matrix : Water
Collected : 9/12/2020 2:00:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		9/17/20	1

Sample : 20385601

Information : OP01GP01
Matrix : Soil
Collected : 9/13/2020 10:20:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	45	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		9/22/20	1

Sample : 20385679

Information : EW01GW
Matrix : Water
Collected : 9/14/2020 2:05:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.19	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		9/18/20	1

Sample : 20385693

Information : TP11GW
Matrix : Water
Collected : 9/13/2020 11:06:00AM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	83	%Rec		9/18/20	1

Sample : 20385695

Information : TP12GW
Matrix : Water
Collected : 9/13/2020 2:22:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	80	%Rec		9/18/20	1

Sample : 20385697

Information : TP13GW
Matrix : Water
Collected : 9/14/2020 12:24:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	93	%Rec		9/18/20	1

Sample : 20385699

Information : EW02GW
Matrix : Water
Collected : 9/14/2020 3:35:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	95	%Rec		9/18/20	1

Sample : 20385727

Information : ID01WT
Matrix : Water
Collected : 9/15/2020 10:00:00AM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/18/20	1

Sample : 20385728

Information : RI01WT
Matrix : Water
Collected : 9/14/2020 4:55:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	89	%Rec		9/18/20	1

Sample : 20385729

Information : RI02WT
Matrix : Water
Collected : 9/14/2020 5:00:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/18/20	1

Sample : 20385730

Information : RI03WT
Matrix : Water
Collected : 9/14/2020 5:05:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/18/20	1

Sample : 20385734

Information : OP01GW
Matrix : Water
Collected : 9/13/2020 12:51:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.49	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	92	%Rec		9/18/20	1

Sample : 20375615 Sample Duplicate

Information : SL08TP02
Matrix : Soil
Collected : 9/9/2020 2:11:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	45	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	110	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/21/20	1

Sample : 20375620 Sample Duplicate

Information : SL11TP01
Matrix : Soil
Collected : 9/11/2020 10:48:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	56	mg/Kg	U	10/ 1/20	1
***400010**	**TPH-GC/Motor Oil Range Organics**	**810**	**mg/Kg**		10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		10/ 1/20	1

Sample : 20375638 Sample Duplicate

Information : SL20GP01
Matrix : Soil
Collected : 9/11/2020 1:40:00PM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	10/ 1/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	10/ 1/20	1
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		10/ 1/20	1

Sample : 20375664 Sample Duplicate

Information : SL16TP04
Matrix : Soil
Collected : 9/10/2020 10:25:00AM

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	49	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	120	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/22/20	1

Sample : 20375687 Sample Duplicate

Information : SL06GW
Matrix : Water
Collected : 9/10/2020 9:34:00AM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		9/17/20	1

Sample : 20385734 Sample Duplicate

Information : OP01GW
Matrix : Water
Collected : 9/13/2020 12:51:00PM

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/18/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/18/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/18/20	1

Sample : 105S091720B1 Blank

Information : Blank
Matrix : Solid

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	40	mg/Kg	U	9/21/20	1
*400010	TPH-GC/Motor Oil Range Organics	100	mg/Kg	U	9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		9/21/20	1

Sample : 105S091820B1 Blank

Information : Blank
Matrix : Solid

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	40	mg/Kg	U	9/22/20	1
*400010	TPH-GC/Motor Oil Range Organics	100	mg/Kg	U	9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	96	%Rec		9/22/20	1

Sample : 105W091720B1 Blank

Information : Blank
Matrix : Liquid

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Target Analyte Results:						
*400009	TPH-GC/Diesel Range Organics	0.20	mg/L	U	9/17/20	1
*400010	TPH-GC/Motor Oil Range Organics	0.50	mg/L	U	9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	97	%Rec		9/17/20	1

Sample : 105S091720L1 Lab Control Std

Information : Lab Control Standard
Matrix : Solid

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	100	%Rec		9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		9/21/20	1

Sample : 105S091820L1 Lab Control Std

Information : Lab Control Standard
Matrix : Solid

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	97	%Rec		9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	99	%Rec		9/22/20	1

Sample : 105W091720L1 Lab Control Std

Information : Lab Control Standard
Matrix : Liquid

Parameter : TPH-Dx
Prep Method: 3535A - Solid Phase Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	88	%Rec		9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	91	%Rec		9/17/20	1

Sample : 105S091720L2 Lab Control Std#2

Information : Lab Control Standard Dup.
Matrix : Solid

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	101	%Rec		9/21/20	1
Surrogate Compounds:						
629992	Pentacosane	102	%Rec		9/21/20	1

Sample : 105S091820L2 Lab Control Std#2

Information : Lab Control Standard Dup.
Matrix : Solid

Parameter : TPH-Dx
Prep Method: Ultrasonication - Ultrasonic Extraction
Analysis Method: NWTPH-Dx - Diesel range organics
Weight Basis : Dry

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	98	%Rec		9/22/20	1
Surrogate Compounds:						
629992	Pentacosane	101	%Rec		9/22/20	1

Sample : 105W091720L2 Lab Control Std#2

Information : Lab Control Standard Dup.

Matrix : Liquid

Parameter : TPH-Dx

Prep Method: 3535A - Solid Phase Extraction

Analysis Method: NWTPH-Dx - Diesel range organics

Weight Basis : Wet

Analyte Code	Analyte Name	Result	Unit	Qual.	Analysis Date	Dilution
Spiked Compounds:						
*400009	TPH-GC/Diesel Range Organics	87	%Rec		9/17/20	1
Surrogate Compounds:						
629992	Pentacosane	98	%Rec		9/17/20	1

USEPA CLP COC (LAB COPY)

DateShipped: 9/10/2020

CarrierName: FedEx

AirbillNo: 771486788900

CHAIN OF CUSTODY RECORD JLTQ0

Case #: 49090

Cooler #:

No: 10-090920-184900-0002

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375600	JLTQ0	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0001 (None), 10-0003 (None) (5)	SL01GP01	09/09/2020 09:58	
20375602	JLTQ2	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0007 (None), 10-0009 (None) (5)	SL02GP01	09/09/2020 11:17	
20375604	JLTQ4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0013 (None) (1)	SL03TP01	09/09/2020 13:09	
20375605	JLTQ5	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0015 (None) (1)	SL03TP02	09/09/2020 13:00	
20375614	JLTR4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0045 (None), 10-0047 (None) (5)	SL08TP01	09/09/2020 13:45	
20375615	JLTR5	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0049 (None), 10-0051 (None) (5)	SL08TP02	09/09/2020 14:11	
20375636	JLTT6	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0119 (None), 10-0121 (None) (5)	SL19TP01	09/09/2020 15:14	
20375637	JLTT7	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0123 (None), 10-0125 (None) (5)	SL19TP02	09/09/2020 15:45	
20375654	JLTX4	Sediment Surface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0184 (None) (1)	PD01SD	09/09/2020 14:00	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP VOA LOW=CLP TCL Volatiles Low	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shp	~~21:45~~ ENA	9/9/20 21:45			
			/PACE/EQI	09/11/2020 1115	OK

T=5.8°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/10/2020
CarrierName: FedEx
AirbillNo: 771486788900

CHAIN OF CUSTODY RECORD

JLTQ0
JLTZ7

Case #: 49090
Cooler #:

No: 10-090920-184900-0002

Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375655	JLTX5	Sediment Surface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0187 (None) (1)	PD02SD	09/09/2020 14:16	
20375656	JLTX6	Sediment Surface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0190 (None) (1)	PD03SD	09/09/2020 14:34	
20375677	JLTZ7	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21), CLP TVOA(21)	10-0233 (None), 10-0234 (None) (7)	SL01GW	09/09/2020 12:32	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP VOA LOW=CLP TCL Volatiles Low, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/9/20 21:45			
			PACE/EQI	09/11/2020 1115	OK

T=5.8°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/11/2020

CarrierName: FedEx

AirbillNo: 771499218793

CHAIN OF CUSTODY RECORD

JLTQ0
JLTY4

Case #: 49090

Cooler #:

No: 10-091020-183209-0004

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375608	JLTQ8	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0021 (None), 10-0023 (None) (5)	SL05GP01	09/09/2020 15:51	
20375609	JLTQ9	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0025 (None), 10-0027 (None) (5)	SL05GP02	09/09/2020 16:07	
20375610	JLTR0	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0029 (None), 10-0031 (None) (5)	SL06GP01	09/09/2020 17:04	
20375611	JLTR1	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0033 (None), 10-0035 (None) (5)	SL06GP02	09/09/2020 17:24	
20375612	JLTR2	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0037 (None), 10-0039 (None) (5)	SL07GP01	09/10/2020 08:42	
20375613	JLTR3	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0041 (None), 10-0043 (None) (5)	SL07GP02	09/10/2020 10:24	
20375630	JLTT0	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0095 (None), 10-0097 (None) (5)	SL16TP01	09/10/2020 09:25	
20375631	JLTT1	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0099 (None), 10-0101 (None) (5)	SL16TP02	09/10/2020 10:12	
20375663	JLTY3	Soil Surface/ S. Wing	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0212 (None), 10-0214 (None) (5)	SL16TP03	09/10/2020 09:47	
20375664	JLTY4	Soil Surface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0217 (None), 10-0219 (None) (5)	SL16TP04	09/10/2020 10:25	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP VOA LOW=CLP TCL Volatiles Low, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FedEx	9/10/20 21:23			
			PACE/EQI	09/12/2020 0950	OK

T=4.4°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1948 0480 Or 9/25/2020

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 16

JLTY4
JLTR6

No: 10-091420-102440-0016

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375606	JLTQ6	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0017 (None) (1)	SL04TP01	09/10/2020 16:24	
20375616	JLTR6	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA/PCB(21)	10-0053 (None) (1)	SL09GP01	09/10/2020 11:32	
20375617	JLTR7	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0055 (None) (1)	OP01TP03	09/11/2020 14:13	
20375618	JLTR8	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA/PCB(21)	10-0057 (None) (1)	SL10GP01	09/10/2020 12:39	
20375619	JLTR9	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0059 (None) (1)	OP02TP01	09/11/2020 15:03	
20375620	JLTS0	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0061 (None) (1)	SL11TP01	09/11/2020 10:48	
20375621	JLTS1	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0064 (None) (1)	SL11TP02	09/11/2020 11:33	
20375622	JLTS2	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0067 (None) (1)	SL12TP01	09/11/2020 10:03	
20375623	JLTS3	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0070 (None) (1)	SL12TP02	09/11/2020 10:14	
20375624	JLTS4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0073 (None) (1)	SL13TP01	09/11/2020 12:59	

Special Instructions: Sample 20375617 is SVOA SIM only - no PCBs Ignore notation on label

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EN E	9/14/20 10:40			
			PACE/EQI	09/16/2020 1134	OK

COPY
Original Documents included in CSF
49090 - JLTY4

Signed: [signature]
Date: 9-29-20

T=3.6°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/11/2020

CarrierName: FedEx

AirbillNo: 771499218793

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #:

JLTQ0 JLTY4

No: 10-091020-183209-0004

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375608	JLTQ8	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0021 (None), 10-0023 (None) (5)	SL05GP01	09/09/2020 15:51	
20375609	JLTQ9	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0025 (None), 10-0027 (None) (5)	SL05GP02	09/09/2020 16:07	
20375610	JLTR0	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0029 (None), 10-0031 (None) (5)	SL06GP01	09/09/2020 17:04	
20375611	JLTR1	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0033 (None), 10-0035 (None) (5)	SL06GP02	09/09/2020 17:24	
20375612	JLTR2	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0037 (None), 10-0039 (None) (5)	SL07GP01	09/10/2020 08:42	
20375613	JLTR3	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0041 (None), 10-0043 (None) (5)	SL07GP02	09/10/2020 10:24	
20375630	JLTT0	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0095 (None), 10-0097 (None) (5)	SL16TP01	09/10/2020 09:25	
20375631	JLTT1	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0099 (None), 10-0101 (None) (5)	SL16TP02	09/10/2020 10:12	
20375663	JLTY3	Soil Surface/ S. Wing	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0212 (None), 10-0214 (None) (5)	SL16TP03	09/10/2020 09:47	
20375664	JLTY4	Soil Surface/ J. Leeson	Grab	SVOA LOW SIM(21), CLP VOA LOW(21)	10-0217 (None), 10-0219 (None) (5)	SL16TP04	09/10/2020 10:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP VOA LOW=CLP TCL Volatiles Low, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	E N E	9/10/20 21:23			
	COPY Original Documents included in CSF 49090 - SLTQ0 SLTY4 SDH 9-29-20				
	Signed: Date: 9-29-20		PACE/EQI T=4.4°C	09/12/2020 0950	OK

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1955 6592 9/25/2020

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 12

9/17/2020 ~~JLT~~ JLTY4

No: 10-091320-172712-0012

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375601 S20380560	JLTQ1	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0006 (Freeze in field) (4)	OP01GP01	09/13/2020 10:20	
20375617	JLTR7	Soil Subsurface/ S. Wing	Grab	CLP VOA LOW(21)	10-0368 (Freeze in field) (4)	OP01TP03	09/11/2020 14:13	(4oz)
20375620	JLTS0	Soil Subsurface/ S. Wing	Grab	CLP VOA LOW(21)	10-0063 (Freeze in field) (4)	SL11TP01	09/11/2020 10:48	
20375621	JLTS1	Soil Subsurface/ J. Leeson	Grab	CLP VOA LOW(21)	10-0066 (Freeze in field) (4)	SL11TP02	09/11/2020 11:33	
20375622	JLTS2	Soil Subsurface/ S. Wing	Grab	CLP VOA LOW(21)	10-0069 (Freeze in field) (4)	SL12TP01	09/11/2020 10:03	
20375623	JLTS3	Soil Subsurface/ J. Leeson	Grab	CLP VOA LOW(21)	10-0072 (Freeze in field) (4)	SL12TP02	09/11/2020 10:14	
20375624	JLTS4	Soil Subsurface/ J. Leeson	Grab	CLP VOA LOW(21)	10-0075 (Freeze in field) (4)	SL13TP01	09/11/2020 12:59	
20375625	JLTS5	Soil Subsurface/ S. Wing	Grab	CLP VOA LOW(21)	10-0078 (Freeze in field) (4)	SL13TP02	09/11/2020 12:51	
20375626	JLTS6	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0081 (Freeze in field) (4)	SL14GP01	09/10/2020 13:54	
20375627	JLTS7	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0085 (Freeze in field) (4)	SL14GP02	09/10/2020 16:25	

Special Instructions: Note- 2 RTN/Sample Identifiers as printed on label and COC reflect wrong week

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: CLP VOA LOW=CLP TCL Volatiles Low

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 9:55			
			/PACE/EQI	09/16/2020 1134	OK

T= -11.9°C (arrived on dry ice)

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1955 6592 (09/15/2020

CHAIN OF CUSTODY RECORD

JLTY4
JLTY5

Case #: 49090

Cooler #: 12

No: 10-091320-172712-0012

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375628	JLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0089 (Freeze in field) (4)	SL15GP01	09/11/2020 09:16	
20375629	JLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0093 (Freeze in field) (4)	SL15GP02	09/11/2020 09:53	
20375632	JLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0105 (Freeze in field) (4)	SL17GP01	09/11/2020 10:30	
20375633	JLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0109 (Freeze in field) (4)	SL17GP02	09/11/2020 12:37	
20375634	JLTT4	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0113 (Freeze in field) (4)	SL18GP01	09/12/2020 08:52	
20375635	JLTT5	Soil Subsurface/ B. Ciecko	Grab	CLP VOA LOW(21)	10-0117 (Freeze in field) (4)	SL18GP02	09/12/2020 09:38	
20375638	JLTT8	Soil Subsurface/ B. Ciecko	Grab	CLP VOA LOW(21)	10-0129 (Freeze in field) (4)	SL20GP01	09/11/2020 13:40	
20375640	JLTW0	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0137 (Freeze in field) (4)	SL21GP01	09/12/2020 10:10	
20375642	JLTW2	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0145 (Freeze in field) (4)	SL22GP01	09/12/2020 10:44	
20375665	JLTY5	Soil Subsurface/ J. Leeson	Grab	CLP VOA LOW(21)	10-0224 (Freeze in field) (4)	OP01TP01	09/11/2020 13:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP VOA LOW=CLP TCL Volatiles Low	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	DR FedEx	9/14/20 9:55			
			PACE/EQI	09/16/2020 1134	OK

T= -11.9°C (arrived on dry ice)

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1948 0480 9/25/2020

CHAIN OF CUSTODY RECORD

JLTY4
JLTR6

Case #: 49090

Cooler #: 16

No: 10-091420-102440-0016

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375606	JLTQ6	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0017 (None) (1)	SL04TP01	09/10/2020 16:24	
20375616	JLTR6	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA/PCB(21)	10-0053 (None) (1)	SL09GP01	09/10/2020 11:32	
20375617	JLTR7	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0055 (None) (1)	OP01TP03	09/11/2020 14:13	
20375618	JLTR8	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA/PCB(21)	10-0057 (None) (1)	SL10GP01	09/10/2020 12:39	
20375619	JLTR9	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0059 (None) (1)	OP02TP01	09/11/2020 15:03	
20375620	JLTS0	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0061 (None) (1)	SL11TP01	09/11/2020 10:48	
20375621	JLTS1	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0064 (None) (1)	SL11TP02	09/11/2020 11:33	
20375622	JLTS2	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0067 (None) (1)	SL12TP01	09/11/2020 10:03	
20375623	JLTS3	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0070 (None) (1)	SL12TP02	09/11/2020 10:14	
20375624	JLTS4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0073 (None) (1)	SL13TP01	09/11/2020 12:59	

Special Instructions: Sample 20375617 is SVOA SIM only - no PCBs Ignore notation on label

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 10:40			
			PACE/ECI	09/16/2020 1134	OK

T=3.6°C

JLTY4
JLTY5

USEPA CLP COC (LAB COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo: 7715 1948 0480 @ 9/25/2020

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 16

No: 10-091420-102440-0016
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375625	JLTS5	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0076 (None) (1)	SL13TP02	09/11/2020 12:51	
20375626	JLTS6	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0079 (None) (1)	SL14GP01	09/10/2020 13:54	
20375627	JLTS7	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0083 (None) (1)	SL14GP02	09/10/2020 16:25	
20375628	JLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0087 (None) (1)	SL15GP01	09/11/2020 09:16	
20375629	JLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0091 (None) (1)	SL15GP02	09/11/2020 09:53	
20375632	JLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0103 (None) (1)	SL17GP01	09/11/2020 10:30	
20375633	JLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0107 (None) (1)	SL17GP02	09/11/2020 12:37	
20375638	JLTT8	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0127 (None) (1)	SL20GP01	09/11/2020 13:40	
20375644	JLTW4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0151 (None) (1)	SL23TP01	09/10/2020 13:06	
20375645	JLTW5	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0154 (None) (1)	SL23TP02	09/10/2020 12:59	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/14/20 10:40			
			PACE/EQI	09/16/2020 1134	OK

T=3.6°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4108 7876

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 27

JLTY4
JLTY5

No: 10-091520-122007-0027
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375601	JLTQ1	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0004 (None) (1)	OP01GP01	09/13/2020 10:20	
20375634	JLTT4	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0111 (None) (1)	SL18GP01	09/12/2020 08:52	
20375635	JLTT5	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0115 (None) (1)	SL18GP02	09/12/2020 09:38	
20375640	JLTW0	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0135 (None) (1)	SL21GP01	09/12/2020 10:10	
20375642	JLTW2	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0143 (None) (1)	SL22GP01	09/12/2020 10:44	
20375659	JLTX9	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0199 (None) (1)	PD06SD	09/12/2020 13:13	
20375660	JLTY0	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0202 (None) (1)	PD07SD	09/12/2020 13:28	
20375661	JLTY1	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0205 (None) (1)	PD08SD	09/12/2020 13:38	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:22			
			PACE/EQT	09/17/2020 1125	OK

T=5.5°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo: 7715 1955 6592 (09/15/2020

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 12

JLTY4
JLTY5

No: 10-091320-172712-0012
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375628	JLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0089 (Freeze in field) (4)	SL15GP01	09/11/2020 09:16	
20375629	JLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0093 (Freeze in field) (4)	SL15GP02	09/11/2020 09:53	
20375632	JLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0105 (Freeze in field) (4)	SL17GP01	09/11/2020 10:30	
20375633	JLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0109 (Freeze in field) (4)	SL17GP02	09/11/2020 12:37	
20375634	JLTT4	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0113 (Freeze in field) (4)	SL18GP01	09/12/2020 08:52	
20375635	JLTT5	Soil Subsurface/ B. Ciecko	Grab	CLP VOA LOW(21)	10-0117 (Freeze in field) (4)	SL18GP02	09/12/2020 09:38	
20375638	JLTT8	Soil Subsurface/ B. Ciecko	Grab	CLP VOA LOW(21)	10-0129 (Freeze in field) (4)	SL20GP01	09/11/2020 13:40	
20375640	JLTW0	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0137 (Freeze in field) (4)	SL21GP01	09/12/2020 10:10	
20375642	JLTW2	Soil Subsurface/ M. Talaia-Murray	Grab	CLP VOA LOW(21)	10-0145 (Freeze in field) (4)	SL22GP01	09/12/2020 10:44	
20375665	JLTY5	Soil Subsurface/ J. Leeson	Grab	CLP VOA LOW(21)	10-0224 (Freeze in field) (4)	OP01TP01	09/11/2020 13:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP VOA LOW=CLP TCL Volatiles Low	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	DR E&E	9/14/20 9:55			
	COPY Original Documents included in CSF 49090 JLTY5 JLTY4				
	Signed: SDH 9-29-20 Date: 9-29-20		PACE/EQI T= -11.9°C (carried on dry ice)	09/16/2020 1134	OK

JLTY5
JLTZ7

USEPA CLP COC (LAB COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo: 7715 1955 6592 @ 9/15/2020

CHAIN OF CUSTODY RECORD
Case #: 49090
Cooler #: 12

No: 10-091320-172712-0012
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375666	JLTY6	Soil Subsurface/ S. Wing	Grab	CLP VOA LOW(21)	10-0229 (Freeze in field) (4)	OP01TP02	09/11/2020 13:45	
20375736 → 20385736	JLW56	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0362 (HCl) (5)	TB02WT	09/13/2020 18:15	On top of coolers/4.9°C

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: CLP VOA LOW=CLP TCL Volatiles Low, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 9:55			
				09/16/2020 1134	OK

T=11.9°C (arrived on dry ice)

water sample JLW56 was segregated from dry section of coolers and placed on top of packing material/@4.9°C

JLTY5
JLTY4
JLTR6

USEPA CLP COC (LAB COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo: 7715 1948 0480 9/26/2020

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 16

No: 10-091420-102440-0016
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375606	JLTQ6	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0017 (None) (1)	SL04TP01	09/10/2020 16:24	
20375616	JLTR6	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA/PCB(21)	10-0053 (None) (1)	SL09GP01	09/10/2020 11:32	
20375617	JLTR7	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0055 (None) (1)	OP01TP03	09/11/2020 14:13	
20375618	JLTR8	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA/PCB(21)	10-0057 (None) (1)	SL10GP01	09/10/2020 12:39	
20375619	JLTR9	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0059 (None) (1)	OP02TP01	09/11/2020 15:03	
20375620	JLTS0	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0061 (None) (1)	SL11TP01	09/11/2020 10:48	
20375621	JLTS1	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0064 (None) (1)	SL11TP02	09/11/2020 11:33	
20375622	JLTS2	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0067 (None) (1)	SL12TP01	09/11/2020 10:03	
20375623	JLTS3	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0070 (None) (1)	SL12TP02	09/11/2020 10:14	
20375624	JLTS4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0073 (None) (1)	SL13TP01	09/11/2020 12:59	

Special Instructions: Sample 20375617 is SVOA SIM only - no PCBs Ignore notation on label

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EN E	9/14/20 10:40			
			PACE/ECI	09/16/2020 1134	OK

COPY
Original Documents included in CSF
49090 - JLTY4
Signed:
Date: 9-29-20

T=3.6°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1948 0480 (R) 9/25/2020

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 16

JLTY4
JLTY5

No: 10-091420-102440-0016

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375625	JLTS5	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0076 (None) (1)	SL13TP02	09/11/2020 12:51	
20375626	JLTS6	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0079 (None) (1)	SL14GP01	09/10/2020 13:54	
20375627	JLTS7	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0083 (None) (1)	SL14GP02	09/10/2020 16:25	
20375628	JLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0087 (None) (1)	SL15GP01	09/11/2020 09:16	
20375629	JLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0091 (None) (1)	SL15GP02	09/11/2020 09:53	
20375632	JLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0103 (None) (1)	SL17GP01	09/11/2020 10:30	
20375633	JLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0107 (None) (1)	SL17GP02	09/11/2020 12:37	
20375638	JLTT8	Soil Subsurface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0127 (None) (1)	SL20GP01	09/11/2020 13:40	
20375644	JLTW4	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0151 (None) (1)	SL23TP01	09/10/2020 13:06	
20375645	JLTW5	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0154 (None) (1)	SL23TP02	09/10/2020 12:59	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/14/20 10:40			
	COPY Original Documents included in CSF 49090_JLTY4 Signed: Date: 9-29-20		PACE/EQI T=3.6°C	9/16/2020 1134	OK

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1948 0480 (TR 9/25/2020)

CHAIN OF CUSTODY RECORD JLTY5

Case #: 49090

Cooler #: 16

No: 10-091420-102440-0016

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375646	JLTW6	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0157 (None) (1)	SL24TP01	09/10/2020 14:15	
20375647	JLTW7	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0160 (None) (1)	SL24TP02	09/10/2020 14:07	
20375648	JLTW8	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0163 (None) (1)	SL25TP01	09/10/2020 14:53	
20375649	JLTW9	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0166 (None) (1)	SL25TP02	09/10/2020 14:41	
20375650	JLTX0	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0169 (None) (1)	SL26TP01	09/10/2020 15:29	
20375651	JLTX1	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0172 (None) (1)	SL26TP02	09/10/2020 15:18	
20375652	JLTX2	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0178 (None) (1)	SL27TP01	09/10/2020 17:21	
20375657	JLTX7	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0193 (None) (1)	PD04SD	09/12/2020 09:06	
20375658	JLTX8	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0196 (None) (1)	PD05SD	09/12/2020 09:40	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/14/20 10:40			
			PACE/EQI	09/16/2020 1134	OK

T=3.6°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1948 0480 (CR) 9/25/2020

CHAIN OF CUSTODY RECORD JLTY5

Case #: 49090

Cooler #: 16

No: 10-091420-102440-0016

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375665	JLTY5 ✓	Soil Subsurface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0222 (None) (1)	OP01TP01	09/11/2020 13:25	
20375666	JLTY6 ✓	Soil Subsurface/ S. Wing	Grab	SVOA LOW SIM(21)	10-0227 (None) (1)	OP01TP02	09/11/2020 13:45	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, SVOA/PCB=CLP Semivolatiles & PCB Aroclors Low SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	DR EnE	9/14/20 10:10			
			/PACE/EQI	09/16/2020 1134	OK

T=3.6°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4108 7876

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 27

JLTY4
JLTY5

No: 10-091520-122007-0027
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375601	JLTQ1	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0004 (None) (1)	OP01GP01	09/13/2020 10:20	
20375634	JLTT4	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0111 (None) (1)	SL18GP01	09/12/2020 08:52	
20375635	JLTT5	Soil Subsurface/ B. Clecko	Grab	SVOA LOW SIM(21)	10-0115 (None) (1)	SL18GP02	09/12/2020 09:38	
20375640	JLTW0	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0135 (None) (1)	SL21GP01	09/12/2020 10:10	
20375642	JLTW2	Soil Subsurface/ M. Talaia-Murray	Grab	SVOA LOW SIM(21)	10-0143 (None) (1)	SL22GP01	09/12/2020 10:44	
20375659	JLTX9	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0199 (None) (1)	PD06SD	09/12/2020 13:13	
20375660	JLTY0	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0202 (None) (1)	PD07SD	09/12/2020 13:28	
20375661	JLTY1	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0205 (None) (1)	PD08SD	09/12/2020 13:38	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:22			
	COPY Original Documents included in CSF				
	Signed: 49090-JLTY4 JLTY5 Date: 9-29-20		PACE/EQF	09/17/2020 1125	OK

T=5.5°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4108 7876

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 27

JLTY5
JLTZ7
JLTZ9

No: 10-091520-122007-0027
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375662	JLTY2	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0208 (None) (1)	PD09SD	09/12/2020 11:48	
20385679	JLTZ9	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0236 (None) (2)	EW01GW	09/14/2020 14:05	
20385717	JLW37	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0300 (None) (2)	TP25GW	09/13/2020 16:20	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:22			
			PACE/EQI	09/17/2020 1125	OK

T=5.5°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/10/2020
CarrierName: FedEx
AirbillNo: 771486788900

CHAIN OF CUSTODY RECORD JLTQ0 JLT27

Case #: 49090
Cooler #:

No: 10-090920-184900-0002
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375655	JLTX5	Sediment Surface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0187 (None) (1)	PD02SD	09/09/2020 14:16	
20375656	JLTX6	Sediment Surface/ B. Ciecko	Grab	SVOA LOW SIM(21)	10-0190 (None) (1)	PD03SD	09/09/2020 14:34	
20375677	JLTZ7	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21), CLP TVOA(21)	10-0233 (None), 10-0234 (None) (7)	SL01GW	09/09/2020 12:32	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP VOA LOW=CLP TCL Volatiles Low, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/9/20 21:45			
	COPY Original Documents included in CSF		PACE/EQI	09/11/2020 1115	OK

49090 - JLTQ0
Signed:
Date: 9-29-20

T=5.8°C

JLTZ7

USEPA CLP COC (LAB COPY)

DateShipped: 9/11/2020

CarrierName: FedEx

AirbillNo: 771499218793

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #:

No: 10-091020-183209-0004

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375685	JLW05	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21), CLP TVOA(21)	10-0243 (None), 10-0244 (HCl) (7)	SL05GW	09/09/2020 17:51	
20375687	JLW07	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21), CLP TVOA(21)	10-0247 (None), 10-0248 (HCl) (7)	SL06GW	09/10/2020 09:34	No time listed on containers
20375735	JLW55	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0361 (HCl) (5)	TB01WT	09/10/2020 16:47	

Sample(s) to be used for Lab QC: 20375687 Tag 10-0247, 20375687 Tag 10-0248

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP VOA LOW=CLP TCL Volatiles Low, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/10/20 21:23			
			PACE/EQI T=4.4°C	09/12/2020 0950	OK

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1955 6592 @ 9/25/2020

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 12

JLTY5

JLTZ7

No: 10-091320-172712-0012

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375666	JLTY6	Soil Subsurface/ S. Wing	Grab	CLP VOA LOW(21)	10-0229 (Freeze in field) (4)	OP01TP02	09/11/2020 13:45	
20375736 → 20385736	JLW56	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0362 (HCl) (5)	TB02WT	09/13/2020 18:15	~~On top of cooler~~ / 4.9°C

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: CLP VOA LOW=CLP TCL Volatiles Low, CLP TVOA=CLP TCL Trace Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	E&E	9/14/20 9:55			
	COPY Original Documents included in CSF			09/16/2020 1134	ok

49090 - JLTY5

Signed: [signature]

Date: 9-29-20

T = 1.9°C (arrived on dry ice)

water sample JLW56 was segregated from dry section of cooler and placed on top of packing material @ 4.9°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 771512774721 @ 9/15/2020

CHAIN OF CUSTODY RECORD

JLTZ7

Case #: 49090

Cooler #: 9

No: 10-091320-161758-0009

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375689	JLW09	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0251 (None) (2)	SL07GW	09/10/2020 12:17	
20375703	JLW23	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0273 (None) (2)	SL15GW	09/11/2020 11:16	
20375709	JLW29	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0285 (None) (2)	SL20GW	09/11/2020 15:34	
20375719	JLW39	Surface Water Total/ J. Leeson	Grab	CLP SVSIM(21)	10-0304 (None) (2)	PD01SW	09/11/2020 17:18	
20375723	JLW43	Surface Water Total/ J. Leeson	Grab	CLP SVSIM(21)	10-0312 (None) (2)	PD06SW	09/12/2020 12:59	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EN EC	9/13/20 16:30			
			PACE/EQI	09/16/2020 1134	OK

T=5.6°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1278 0966 @ 9/25/2020

CHAIN OF CUSTODY RECORD

JLTZ7

Case #: 49090

Cooler #: 11

No: 10-091320-162940-0011

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14185

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375707	JLW27	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0281 (None) (2)	SL18GW	09/12/2020 11:10	
20375711	JLW31	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0289 (None) (2)	SL21GW	09/12/2020 12:40	
20375713	JLW33	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0294 (None) (2)	SL22GW	09/12/2020 14:00	
20375721	JLW41	Surface Water Total/ J. Leeson	Grab	CLP SVSIM(21)	10-0308 (None) (2)	PD05SW	09/12/2020 10:02	
20375725	JLW45	Surface Water Total/ J. Leeson	Grab	CLP SVSIM(21)	10-0316 (None) (2)	PD09SW	09/12/2020 11:24	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/13/20 16:40			
			PACE/EQI	09/16/2020 1134	OK

T= ~~4.4°C~~ JSH 9/16

T=5.6°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 24

JLTZ7
JLTZ9

No: 10-091520-120327-0024
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375693	JLW13	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0255 (None) (2)	TP11GW	09/13/2020 11:06	
20385695	JLW15	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0258 (None) (2)	TP12GW	09/13/2020 14:22	
20385697	JLW17	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0260 (None) (2)	TP13GW	09/14/2020 12:24	
20385699	JLW19	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0262 (None) (2)	EW02GW	09/14/2020 15:35	
20385715	JLW35	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0298 (None) (2)	TP23GW	09/14/2020 10:35	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	TNE	9/15/20 12:08			
			/ PACE/EQI	09/17/2020 1125	

T=1.4°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4108 7876

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 27

JLTY5
JLTZ7
~~JLTZ9~~

No: 10-091520-122007-0027

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375662	JLTY2	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0208 (None) (1)	PD09SD	09/12/2020 11:48	
20385679	JLTZ9	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0236 (None) (2)	EW01GW	09/14/2020 14:05	
20385717	JLW37	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0300 (None) (2)	TP25GW	09/13/2020 16:20	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:22			
	COPY Original Documents included in CSF 49090- JLTY5 Signed: Date: 9-29-20		PACE/EQI	09/17/2020 1125 T=5.5°C	OK

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4105 5653

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 26

JLTZ7

~~JLT~~ ~~JLTZ9~~ JLW11

No: 10-091520-121701-0026

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385681	JLW01	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0239 (None) (2)	TP3GW	09/13/2020 09:19	
20385728	JLW48	Water/ S. Wing	Grab	CLP SVSIM(21)	10-0325 (None) (2)	RI01WT	09/14/2020 16:55	
20385729	JLW49	Water/ S. Wing	Grab	CLP SVSIM(21), CLP ARO(21)	10-0331 (None), 10-0334 (None) (4)	RI02WT	09/14/2020 17:00	
20385734	JLW54	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0356 (None) (2)	OP01GW	09/13/2020 12:51	

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP ARO=CLP TCL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:19			
			PACE/EQI	09/17/2020 1125	OK

T=2.8°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4111 3237

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 28

JLTZ7
JLTZ9

No: 10-091520-122527-0028

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385679	JLTZ9	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0237 (HCl) (5)	EW01GW	09/14/2020 14:05	
20375689	JLW09	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0252 (HCl) (5)	SL07GW	09/10/2020 12:17	
20375693	JLW13	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0256 (HCl) (5)	TP11GW	09/13/2020 11:06	
20385695	JLW15	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0259 (HCl) (5)	TP12GW	09/13/2020 14:22	
20385697	JLW17	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0261 (HCl) (5)	TP13GW	09/14/2020 12:24	
20385699	JLW19	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0263 (HCl) (5)	EW02GW	09/14/2020 15:35	
20375703	JLW23	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0274 (HCl) (5)	SL15GW	09/11/2020 11:16	
20375707	JLW27	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0282 (HCl) (5)	SL18GW	09/12/2020 11:10	
20375709	JLW29	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0286 (HCl) (5)	SL20GW	09/11/2020 15:34	
20375711	JLW31	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0290 (HCl) (5)	SL21GW	09/12/2020 12:40	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP TVOA=CLP TCL Trace Volatiles	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FNE	9/15/20 12:29			
			PACE/EQI	09/17/2020 1125	OK

T=5.4°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4111 3237

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 28

JLTZ7
JLTZ9
JLW11

No: 10-091520-122527-0028
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375713	JLW33	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0295 (HCl) (5)	SL22GW	09/12/2020 14:00	
20385727	JLW47	Water/ A. Jensen	Grab	CLP TVOA(21)	10-0322 (HCl) (5)	ID01WT	09/15/2020 10:00	
20385728	JLW48	Water/ S. Wing	Grab	CLP TVOA(21)	10-0326 (HCl) (5)	RI01WT	09/14/2020 16:55	
20385729	JLW49	Water/ S. Wing	Grab	CLP TVOA(21)	10-0332 (HCl) (5)	RI02WT	09/14/2020 17:00	
20385730	JLW50	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0337 (HCl) (5)	RI03WT	09/14/2020 17:05	
20385734	JLW54	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0357 (None) (5)	OP01GW	09/13/2020 12:51	
20385737	JLW57	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0363 (HCl) (5)	TB03WT	09/13/2020 18:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP TVOA=CLP TCL Trace Volatiles	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FEDEX	9/15/20 12:27			
			PACE/EQI	9/17/2020 1125	OK

T=5.4°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 24

JLTZ7
JLTZ9

No: 10-091520-120327-0024
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375693	JLW13	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0255 (None) (2)	TP11GW	09/13/2020 11:06	
20385695	JLW15	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0258 (None) (2)	TP12GW	09/13/2020 14:22	
20385697	JLW17	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0260 (None) (2)	TP13GW	09/14/2020 12:24	
20385699	JLW19	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0262 (None) (2)	EW02GW	09/14/2020 15:35	
20385715	JLW35	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0298 (None) (2)	TP23GW	09/14/2020 10:35	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	TEnE	9/15/20 12:08			
	COPY Original Documents included in CSF 49090-JLTZ9		/PACE/EQI	09/17/2020 1125	

Signed: Chris
Date: 9-29-20

T=1.4°C

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4108 7876

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 27

JLTY5
JLTZ7
JLTZ9

No: 10-091520-122007-0027
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375662	JLTY2 ✓	Sediment Surface/ J. Leeson	Grab	SVOA LOW SIM(21)	10-0208 (None) (1)	PD09SD	09/12/2020 11:48	
20385679	JLTZ9 ✓	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0236 (None) (2)	EW01GW	09/14/2020 14:05	
20385717	JLW37 ✓	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0300 (None) (2)	TP25GW	09/13/2020 16:20	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA LOW SIM=CLP Semivolatiles Low SIM, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:22			
	COPY Original Documents included in CSF 49090 - JLTY5 Signed: Date: 9-29-20		PACE IEQ	09/17/2020 1125 T=5.5°C	OK

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4111 3237

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 28

JLTZ7
JLTZ9

No: 10-091520-122527-0028

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385679	JLTZ9	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0237 (HCl) (5)	EW01GW	09/14/2020 14:05	
20375689	JLW09	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0252 (HCl) (5)	SL07GW	09/10/2020 12:17	
20375693	JLW13	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0256 (HCl) (5)	TP11GW	09/13/2020 11:06	
20385695	JLW15	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0259 (HCl) (5)	TP12GW	09/13/2020 14:22	
20385697	JLW17	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0261 (HCl) (5)	TP13GW	09/14/2020 12:24	
20385699	JLW19	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0263 (HCl) (5)	EW02GW	09/14/2020 15:35	
20375703	JLW23	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0274 (HCl) (5)	SL15GW	09/11/2020 11:16	
20375707	JLW27	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0282 (HCl) (5)	SL18GW	09/12/2020 11:10	
20375709	JLW29	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0286 (HCl) (5)	SL20GW	09/11/2020 15:34	
20375711	JLW31	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0290 (HCl) (5)	SL21GW	09/12/2020 12:40	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP TVOA=CLP TCL Trace Volatiles	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FNF	9/15/20 12:29			
	COPY Original Documents included in CSF 49090 - JLTZ7 Signed: Date: 9-29-20		PACE/EQI	09/17/2020 1125	

T=5.4°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4111 3237

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 28

JLTZ7
JLTZ9
JLW11

No: 10-091520-122527-0028

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375713	JLW33	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0295 (HCl) (5)	SL22GW	09/12/2020 14:00	
20385727	JLW47	Water/ A. Jensen	Grab	CLP TVOA(21)	10-0322 (HCl) (5)	ID01WT	09/15/2020 10:00	
20385728	JLW48	Water/ S. Wing	Grab	CLP TVOA(21)	10-0326 (HCl) (5)	RI01WT	09/14/2020 16:55	
20385729	JLW49	Water/ S. Wing	Grab	CLP TVOA(21)	10-0332 (HCl) (5)	RI02WT	09/14/2020 17:00	
20385730	JLW50	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0337 (HCl) (5)	RI03WT	09/14/2020 17:05	
20385734	JLW54	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0357 (None) (5)	OP01GW	09/13/2020 12:51	
20385737	JLW57	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0363 (HCl) (5)	TB03WT	09/13/2020 18:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP TVOA=CLP TCL Trace Volatiles	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FEDEX	9/15/20 12:29			
	COPY Original Documents included in CSF 49090 - JLTZ7 Signed: Date: 9-29-20		PACE/EQI	09/17/2020 1125	

T=5.4°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4104 2219

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 25

JLT29

JLW11

No: 10-091520-121251-0025

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385727	JLW47	Water/ A. Jensen	Grab	CLP SVSIM(21)	10-0321 (None) (2)	ID01WT	09/15/2020 10:00	
20385728	JLW48	Water/ S. Wing	Grab	CLP ARO(21)	10-0329 (None) (2)	RI01WT	09/14/2020 16:55	
20385730	JLW50	Water/ B. Ciecko	Grab	CLP SVSIM(21)	10-0336 (None) (2)	RI03WT	09/14/2020 17:05	
20385731	JLW51	Water/ S. Wing	Grab	CLP SVSIM(21)	10-0341 (None) (2)	RI04WT	09/14/2020 17:10	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP ARO=CLP TCL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:16			
			PACELEQI	09/17/2020 1125	OK

T=2.0°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1277 7890 9/25/2020

CHAIN OF CUSTODY RECORD

JLW11

Case #: 49090

Cooler #: 10

No: 10-091320-162609-0010

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

EPW14035

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375691	JLW11	Ground Water Total/ B. Ciecko	Grab	CLP ARO(21), CLP SVSIM(21)	10-0320 (None), 10-0367 (None) (8)	SL10GW	09/10/2020 14:21	

Sample(s) to be used for Lab QC: 20375691 Tag 10-0320

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: CLP ARO=CLP TCL Aroclors, CLP SVSIM=CLP TCL Semivolatiles - Trace SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FNF	9/13/20 16:30			
			PACE/EQI	09/16/2020 1134	OK

T=1.7°C

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4105 5653

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 26

JLTZ7

~~JLT~~ ~~JLTZ9~~ 9/18/2020 9/17/2020 JLW11

No: 10-091520-121701-0026

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385681	JLW01	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0239 (None) (2)	TP3GW	09/13/2020 09:19	
20385728	JLW48	Water/ S. Wing	Grab	CLP SVSIM(21)	10-0325 (None) (2)	RI01WT	09/14/2020 16:55	
20385729	JLW49	Water/ S. Wing	Grab	CLP SVSIM(21), CLP ARO(21)	10-0331 (None), 10-0334 (None) (4)	RI02WT	09/14/2020 17:00	
20385734	JLW54	Ground Water Total/ B. Ciecko	Grab	CLP SVSIM(21)	10-0356 (None) (2)	OP01GW	09/13/2020 12:51	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP ARO=CLP TCL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shp	E N E	9/15/20 12:19			
	COPY Original Documents included in CSF 49090-JLT27 Signed: Date: 9-24-20		FACE/EQI	09/17/2020 1125 T=2.8°C	

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4104 2219

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 25

JLT29
JLW11

No: 10-091520-121251-0025
Lab: Pace Analytical Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385727	JLW47	Water/ A. Jensen	Grab	CLP SVSIM(21)	10-0321 (None) (2)	ID01WT	09/15/2020 10:00	
20385728	JLW48	Water/ S. Wing	Grab	CLP ARO(21)	10-0329 (None) (2)	RI01WT	09/14/2020 16:55	
20385730	JLW50	Water/ B. Ciecko	Grab	CLP SVSIM(21)	10-0336 (None) (2)	RI03WT	09/14/2020 17:05	
20385731	JLW51	Water/ S. Wing	Grab	CLP SVSIM(21)	10-0341 (None) (2)	RI04WT	09/14/2020 17:10	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: CLP SVSIM=CLP TCL Semivolatiles - Trace SIM, CLP ARO=CLP TCL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	E.E	9/15/20 12:16			
			PACELEQI	09/17/2020 1125	

T=2.0°C

COPY
Original Documents included in CSF 49090 - JLT29
Signed:
Date: 9-29-20

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4111 3237

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 28

JLTZ7

JLTZ9

JLW11

No: 10-091520-122527-0028

Lab: Pace Analytical Services

Lab Contact: Robert Zhu

Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375713	JLW33	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0295 (HCl) (5)	SL22GW	09/12/2020 14:00	
20385727	JLW47	Water/ A. Jensen	Grab	CLP TVOA(21)	10-0322 (HCl) (5)	ID01WT	09/15/2020 10:00	
20385728	JLW48	Water/ S. Wing	Grab	CLP TVOA(21)	10-0326 (HCl) (5)	RI01WT	09/14/2020 16:55	
20385729	JLW49	Water/ S. Wing	Grab	CLP TVOA(21)	10-0332 (HCl) (5)	RI02WT	09/14/2020 17:00	
20385730	JLW50	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0337 (HCl) (5)	RI03WT	09/14/2020 17:05	
20385734	JLW54	Ground Water Total/ B. Ciecko	Grab	CLP TVOA(21)	10-0357 (None) (5)	OP01GW	09/13/2020 12:51	
20385737	JLW57	Water/ B. Ciecko	Grab	CLP TVOA(21)	10-0363 (HCl) (5)	TB03WT	09/13/2020 18:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: CLP TVOA=CLP TCL Trace Volatiles	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FEDEX	9/15/20 12:29			
	COPY Original Documents included in CSF 49090-JLTZ7 Signed: Date: 9-29-20		PACE/EQI	9/17/2020 1125	T=5.4°C

SDG# MJLTQ0

USEPA CLP COC (LAB COPY)

DateShipped: 9/11/2020
CarrierName: FedEx
AirbillNo: 771499204672

CHAIN OF CUSTODY RECORD

EPW14030
Case #: 49090
Cooler #:

No: 10-091020-181259-0003

Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375600	MJLTQ0	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0002 (None) (1)	SL01GP01	09/09/2020 09:58	1
20375602	MJLTQ2	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0008 (None) (1)	SL02GP01	09/09/2020 11:17	2
20375604	MJLTQ4	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0014 (None) (1)	SL03TP01	09/09/2020 13:09	3
20375605	MJLTQ5	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0016 (None) (1)	SL03TP02	09/09/2020 13:00	4
20375608	MJLTQ8	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0022 (None) (1)	SL05GP01	09/09/2020 15:51	5
20375609	MJLTQ9	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0026 (None) (1)	SL05GP02	09/09/2020 16:07	6
20375610	MJLTR0	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0030 (None) (1)	SL06GP01	09/09/2020 17:04	7
20375611	MJLTR1	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0034 (None) (1)	SL06GP02	09/09/2020 17:24	8
20375612	MJLTR2	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0038 (None) (1)	SL07GP01	09/10/2020 08:42	9
20375613	MJLTR3	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0042 (None) (1)	SL07GP02	09/10/2020 10:24	10

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	DR EnE	9/10/20 21:20		9/12/20	3.1°C
				10:30	IROOM #1
					Temp blank Present
					Photog

SDG# MJLTQ0

USEPA CLP COC (LAB COPY)

DateShipped: 9/11/2020
CarrierName: FedEx
AirbillNo: 771499204672

CHAIN OF CUSTODY RECORD

ETW140030
Case #: 49090
Cooler #:

No: 10-091020-181259-0003

Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375614	MJLTR4	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0046 (None) (1)	SL08TP01	09/09/2020 13:45	11
20375615	MJLTR5	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0050 (None) (1)	SL08TP02	09/09/2020 14:11	12
20375630	MJLTT0	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0096 (None) (1)	SL16TP01	09/10/2020 09:25	13
20375631	MJLTT1	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0100 (None) (1)	SL16TP02	09/10/2020 10:12	14
20375636	MJLTT6	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0120 (None) (1)	SL19TP01	09/09/2020 15:14	15
20375637	MJLTT7	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0124 (None) (1)	SL19TP02	09/09/2020 15:45	16
20375654	MJLTX4	Sediment Surface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0185 (None) (1)	PD01SD	09/09/2020 14:00	
20375655	MJLTX5	Sediment Surface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0188 (None) (1)	PD02SD	09/09/2020 14:16	
20375656	MJLTX6	Sediment Surface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0191 (None) (1)	PD03SD	09/09/2020 14:34	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/10/20 21:20		9/12/20	3.1°C
				10:30	IR Gun #1
					Trip blank in cooler
					No Pages

SDG # MJLTQ0

USEPA CLP COC (LAB COPY)
DateShipped: 9/11/2020
CarrierName: FedEx
AirbillNo: 771499204672

CHAIN OF CUSTODY RECORD
EPW140030
Case #: 49090
Cooler #:

No: 10-091020-181259-0003
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

4

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375663	MJLTY3	Soil Surface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0213 (None) (1)	SL16TP03	09/10/2020 09:47	17
20375664	MJLTY4	Soil Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0218 (None) (1)	SL16TP04	09/10/2020 10:25	18
20375678	MJLTZ8	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0235 (H2SO4 pH<2) (1)	SL01GW-D	09/09/2020 12:32	
20375686	MJLW06	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0246 (H2SO4 pH<2) (1)	SL05GW-D	09/09/2020 17:51	
20375688	MJLW08	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0250 (H2SO4 pH<2) (2)	SL06GW-D	09/10/2020 09:34	Lab QC

Sample(s) to be used for Lab QC: 20375688 Tag 10-0250

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg), DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/10/20 21:20		9/12/20	3 9/12/20
				10:30	3.1°C
					Iron Mtn Hvy
					Tyblanket Hvy

McTgy

SDG# MJLTQ0

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 20

No: 10-091520-114047-0020
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

5

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375658	MJLTX8	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0197 (None) (1)	PD05SD	09/12/2020 09:40	AB # 7715 4082 0871
20375719	MJLW39	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0306 (HNO3 pH<2) (1)	PD01SW	09/11/2020 17:18	
20375720	MJLW40	Surface Water Dissolved/ S. Wing	Grab	DISS ICP-AES/ICP-MS(21)	10-0307 (HNO3 pH<2) (1)	PD01SW-D	09/11/2020 17:18	
20375721	MJLW41	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0310 (HNO3 pH<2) (1)	PD05SW	09/12/2020 10:02	
20375722	MJLW42	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0311 (HNO3 pH<2) (1)	PD05SW-D	09/12/2020 10:02	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg), DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 11:45		10:00 9-17-20	TR Gun #1 2.3°C
					Custody Seal Intact
					Temp Blank present
					No tags

SDG# MJLTX0

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 20

No: 10-091520-114047-0020
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375628	MJLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0088 (None) (1)	SL15GP01	09/11/2020 09:16	AB# 771540820871
20375629	MJLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0092 (None) (1)	SL15GP02	09/11/2020 09:53	
20375632	MJLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0104 (None) (1)	SL17GP01	09/11/2020 10:30	
20375633	MJLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0108 (None) (1)	SL17GP02	09/11/2020 12:37	
20375638	MJLTT8	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0128 (None) (1)	SL20GP01	09/11/2020 13:40	
20375644	MJLTW4	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0152 (None) (1)	SL23TP01	09/10/2020 13:06	
20375645	MJLTW5	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0155 (None) (1)	SL23TP02	09/10/2020 12:59	
20375650	MJLTX0	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0170 (None) (1)	SL26TP01	09/10/2020 15:29	
20375651	MJLTX1	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0173 (None) (1)	SL26TP02	09/10/2020 15:18	
20375657	MJLTX7	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0194 (None) (1)	PD04SD	09/12/2020 09:06	

Copy of Original Documents are Included in CSF MJLTX4

S. M. Jodhani
Signature

9/17/2020
Date

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FNF	9/15/20 11:45		10:00 9-17-20	Ice Chest #1 2.3° Custody Seal Intact Temp Blank present No tags

SDG# MJLTX0

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 771540892609

CHAIN OF CUSTODY RECORD

EPW14030

Case #: 49090

Cooler #: 21

No: 10-091520-114659-0021

Lab: ChemTech Consulting Group

Lab Contact: Divya Mehta

Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375601	MJLTQ1	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0005 (None) (1)	OP01GP01	09/13/2020 10:20	4
20375617	MJLTR7	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0056 (None) (1)	OP01TP03	09/11/2020 14:13	5
20375624	MJLTS4	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0074 (None) (1)	SL13TP01	09/11/2020 12:59	6
20375625	MJLTS5	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0077 (None) (1)	SL13TP02	09/11/2020 12:51	7
20375634	MJLTT4	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0112 (None) (1)	SL18GP01	09/12/2020 08:52	8
20375635	MJLTT5	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0116 (None) (1)	SL18GP02	09/12/2020 09:38	9
20375640	MJLTW0	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0136 (None) (1)	SL21GP01	09/12/2020 10:10	10
20375642	MJLTW2	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0144 (None) (1)	SL22GP01	09/12/2020 10:44	11
20375646	MJLTW6	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0158 (None) (1)	SL24TP01	09/10/2020 14:15	12
20375647	MJLTW7	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0161 (None) (1)	SL24TP02	09/10/2020 14:07	13

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EN E	9/15/20 11:51	Deepak Mm	9/19/20	2-3°C
				9:45	Drum #1
					Temp blank from
					No Pgs

SDG # MJLTX0

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 771540892609

CHAIN OF CUSTODY RECORD

EPW140020

Case #: 49090

Cooler #: 21

No: 10-091520-114659-0021

Lab: ChemTech Consulting Group

Lab Contact: Divya Mehta

Lab Phone: 908-789-8900

4

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375648	MJLTW8	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0164 (None) (1)	SL25TP01	09/10/2020 14:53	14
20375649	MJLTW9	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0167 (None) (1)	SL25TP02	09/10/2020 14:41	15
20375652	MJLTX2	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0179 (None) (1)	SL27TP01	09/10/2020 17:21	16
20375659	MJLTX9	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0200 (None) (1)	PD06SD	09/12/2020 13:13	17
20375660	MJLTY0	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0203 (None) (1)	PD07SD	09/12/2020 13:28	18
20375661	MJLTY1	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0206 (None) (1)	PD08SD	09/12/2020 13:38	19
20375662	MJLTY2	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0209 (None) (1)	PD09SD	09/12/2020 11:48	20-22
20375665	MJLTY5	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0223 (None) (1)	OP01TP01	09/11/2020 13:25	- L

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 11:51	Deepak	9/19/20	2-3°C
				9:45	IR Room Hg
					Tape Blanks 23-1
					NO Tags

SDG # MJLTX4

USEPA CLP COC (LAB COPY)
DateShipped: 9/11/2020
CarrierName: FedEx
AirbillNo: 771499204672

CHAIN OF CUSTODY RECORD
ETW14030
Case #: 49090
Cooler #:

No: 10-091020-181259-0003
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375614	MJLTR4	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0046 (None) (1)	SL08TP01	09/09/2020 13:45	
20375615	MJLTR5	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0050 (None) (1)	SL08TP02	09/09/2020 14:11	
20375630	MJLTT0	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0096 (None) (1)	SL16TP01	09/10/2020 09:25	
20375631	MJLTT1	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0100 (None) (1)	SL16TP02	09/10/2020 10:12	
20375636	MJLTT6	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0120 (None) (1)	SL19TP01	09/09/2020 15:14	
20375637	MJLTT7	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0124 (None) (1)	SL19TP02	09/09/2020 15:45	
20375654	MJLTX4	Sediment Surface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0185 (None) (1)	PD01SD	09/09/2020 14:00	1
20375655	MJLTX5	Sediment Surface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0188 (None) (1)	PD02SD	09/09/2020 14:16	2
20375656	MJLTX6	Sediment Surface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0191 (None) (1)	PD03SD	09/09/2020 14:34	3

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	E&E	9/10/20 21:20		9/12/20	3.1°C
	Copy			10:30	IR GUN #1
	Original Documents are included in CSF		MJLTQ0		Trip blank here
					No Days

Signature

9/12/20
Date

SDG# MJLT44

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 20

No: 10-091520-114047-0020
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375606	MJLTQ6	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0018 (None) (1)	SL04TP01	09/10/2020 16:24	AB# 771540820871
20375616	MJLTR6	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0054 (None) (1)	SL09GP01	09/10/2020 11:32	
20375618	MJLTR8	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0058 (None) (1)	SL10GP01	09/10/2020 12:39	
20375619	MJLTR9	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0060 (None) (1)	OP02TP01	09/11/2020 15:03	
20375620	MJLTS0	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0062 (None) (1)	SL11TP01	09/11/2020 10:48	
20375621	MJLTS1	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0065 (None) (1)	SL11TP02	09/11/2020 11:33	
20375622	MJLTS2	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0068 (None) (1)	SL12TP01	09/11/2020 10:03	
20375623	MJLTS3	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0071 (None) (1)	SL12TP02	09/11/2020 10:14	
20375626	MJLTS6	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0080 (None) (1)	SL14GP01	09/10/2020 13:54	
20375627	MJLTS7	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0084 (None) (1)	SL14GP02	09/10/2020 16:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shp	ENE	9/15/20 11:45		10:00 9-17-20	IR Gun #4 2.3°C
					Custody Seal Intact
					Temp Blank present
					No tags

SDG# MJLTX4

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 20

No: 10-091520-114047-0020
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

4

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375628	MJLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0088 (None) (1)	SL15GP01	09/11/2020 09:16	AB# 771540820871
20375629	MJLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0092 (None) (1)	SL15GP02	09/11/2020 09:53	
20375632	MJLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0104 (None) (1)	SL17GP01	09/11/2020 10:30	
20375633	MJLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0108 (None) (1)	SL17GP02	09/11/2020 12:37	
20375638	MJLTT8	Soil Subsurface/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0128 (None) (1)	SL20GP01	09/11/2020 13:40	
20375644	MJLTW4	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0152 (None) (1)	SL23TP01	09/10/2020 13:06	
20375645	MJLTW5	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0155 (None) (1)	SL23TP02	09/10/2020 12:59	
20375650	MJLTX0	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0170 (None) (1)	SL26TP01	09/10/2020 15:29	
20375651	MJLTX1	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0173 (None) (1)	SL26TP02	09/10/2020 15:18	
20375657	MJLTX7	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0194 (None) (1)	PD04SD	09/12/2020 09:06	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	FNE	9/15/20 11:45		10:00 9-17-20	Ice chest #1 2.3° Custody Seal Intact Temp Blank present no tags

SDG # MJLTY5

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 771540892609

CHAIN OF CUSTODY RECORD
EPLW140030
Case #: 49090
Cooler #: 21

No: 10-091520-114659-0021
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375648	MJLTW8	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0164 (None) (1)	SL25TP01	09/10/2020 14:53	
20375649	MJLTW9	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0167 (None) (1)	SL25TP02	09/10/2020 14:41	
20375652	MJLTX2	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0179 (None) (1)	SL27TP01	09/10/2020 17:21	
20375659	MJLTX9	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0200 (None) (1)	PD06SD	09/12/2020 13:13	
20375660	MJLTY0	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0203 (None) (1)	PD07SD	09/12/2020 13:28	
20375661	MJLTY1	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0206 (None) (1)	PD08SD	09/12/2020 13:38	
20375662	MJLTY2	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0209 (None) (1)	PD09SD	09/12/2020 11:48	
20375665	MJLTY5	Soil Subsurface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0223 (None) (1)	OP01TP01	09/11/2020 13:25	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ER ENE	9/15/20 11:51	Department	9/19/20	2.3°C
				9:45	Iron Hg
	Copy				Temp Blank Received
	Original Documents are included in CSF		MJLTX0		No Tags

Signature

9/19/20
Date

SDG# MJLTY5

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 771540892609

CHAIN OF CUSTODY RECORD

EPA W(4030

Case #: 49090

Cooler #: 21

No: 10-091520-114659-0021

Lab: ChemTech Consulting Group

Lab Contact: Divya Mehta

Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375666	MJLTY6	Soil Subsurface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0228 (None) (1)	OP01TP02	09/11/2020 13:45	

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	DF EnE	9/15/20 11:51	Deepulatha	9/19/20	2.3°C
				9:45	IRGUM # 4
					Trip blank (2nd MoTgy

SDG# MJLT28

USEPA CLP COC (LAB COPY)
DateShipped: 9/11/2020
CarrierName: FedEx
AirbillNo: 771499204672

CHAIN OF CUSTODY RECORD
ERW14030
Case #: 49090
Cooler #:

No: 10-091020-181259-0003
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375663	MJLTY3	Soil Surface/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0213 (None) (1)	SL16TP03	09/10/2020 09:47	
20375664	MJLTY4	Soil Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0218 (None) (1)	SL16TP04	09/10/2020 10:25	
20375678	MJLTZ8	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0235 (H2SO4 pH<2) (1)	SL01GW-D	09/09/2020 12:32	1 pH 1.3
20375686	MJLW06	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0246 (H2SO4 pH<2) (1)	SL05GW-D	09/09/2020 17:51	2
20375688	MJLW08	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0250 (H2SO4 pH<2) (2)	SL06GW-D	09/10/2020 09:34	Lab Qc 3

Copy
Original Documents are included in CSF MJLT20

Signature

Sample(s) to be used for Lab QC: 20375688 Tag 10-0250

9/12/20
Date

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg), DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/10/20 21:20		9/12/20	9/12/20
				10:30	3.1°C
					Room Temp
					Temblank Temp

MoTGen

SDG # MJLT28

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 22

No: 10-091520-115313-0022
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375710	MJLW30	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0288 (HNO3 pH<2) (1)	SL20GW-D	09/11/2020 15:34	~~AB #~~ 7715 4092 0061 pH 1
20385716	MJLW36	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0299 (HNO3 pH<2) (1)	TP23GW-D	09/14/2020 10:35	
20385718	MJLW38	Ground Water Dissolved/	Grab	DISS ICP-AES/ICP-MS(21)	10-0301 (HNO) (1)	TP25GW-D	09/13/2020 16:20	
20385733	MJLW53	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0355 (None) (1)	OP01GW-D	09/13/2020 12:51	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 11:56		10:00 9-17-20	IR-Gun #1 2.8°C
					Custody Seal Intact
					Temp Blank present
					No tags

SDG# MJLTZ8

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 22

No: 10-091520-115313-0022
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

4

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385680	MJLW00	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0238 (HNO3 pH<2) (1)	EW01GW-D	09/14/2020 14:05	AB# 771540920061
20385682	MJLW02	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0240 (HNO3 pH<2) (1)	TP3GW-D	09/13/2020 09:19	
20375690	MJLW10	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0254 (HNO3 pH<2) (1)	SL07GW-D	09/10/2020 12:17	
20385694	MJLW14	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0264 (HNO3 pH<2) (1)	TP11GW-D	09/13/2020 11:06	
20385696	MJLW16	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0265 (HNO3 pH<2) (1)	TP12GW-D	09/13/2020 14:22	
20385698	MJLW18	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0266 (HNO3 pH<2) (1)	TP13GW-D	09/14/2020 12:24	
20385700	MJLW20	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0267 (HNO3 pH<2) (1)	EW02GW-D	09/14/2020 15:35	

PH 1.9

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 11:56		10:20 9-17-20	Ice Chest # 1 2.8°
					Custody Seal Intact
					Temp Blank present
					No tags

SDG # MJLT28

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 23

No: 10-091520-115717-0023
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

5

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375692	MJLW12	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0268 (HNO3 pH<2) (1)	SL10GW-D	09/10/2020 14:21	~~MDL~~ AB# 7715 4095 3030
20375704	MJLW24	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0276 (HNO3 pH<2) (1)	SL15GW-D	09/11/2020 11:16	
20375708	MJLW28	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0284 (HNO3 pH<2) (1)	SL18GW-D	09/12/2020 11:10	
20375712	MJLW32	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0292 (HNO3 pH<2) (1)	SL21GW-D	09/12/2020 12:40	
20375714	MJLW34	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0297 (HNO3 pH<2) (1)	SL22GW-D	09/12/2020 14:00	
20375723	MJLW43	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0314 (HNO3 pH<2) (1)	PD06SW	09/12/2020 12:59	
20375724	MJLW44	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0315 (HNO3 pH<2) (1)	PD06SW-D	09/12/2020 12:59	
20375725	MJLW45	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0318 (HNO3 pH<2) (1)	PD09SW	09/12/2020 11:24	

PH 9

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg), TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	[signature] E N E	9/15/20 12:00	[signature]	10:00 9-17-20	IR Gun # 1 3.6
					Custody Seal Intact
					Temp Blank present
					No tags

SDG # MJLW39

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 20

No: 10-091520-114047-0020
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375658	MJLTX8	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0197 (None) (1)	PD05SD	09/12/2020 09:40	AB # 7715 4082 0891
20375719	MJLW39	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0306 (HNO3 pH<2) (1)	PD01SW	09/11/2020 17:18	
20375720	MJLW40	Surface Water Dissolved/ S. Wing	Grab	DISS ICP-AES/ICP-MS(21)	10-0307 (HNO3 pH<2) (1)	PD01SW-D	09/11/2020 17:18	
20375721	MJLW41	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0310 (HNO3 pH<2) (1)	PD05SW	09/12/2020 10:02	
20375722	MJLW42	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0311 (HNO3 pH<2) (1)	PD05SW-D	09/12/2020 10:02	

Copy Original Documents are included in CSF MJLT00

S. M. Jodhani
Signature

9/17/2020
Date

PH 1.9

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg), DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shp	FNE	9/15/20 11:45		10:00 9-17-20	IR Gun #1 2.3°C
					Custody Seal Intact
					Temp Blank present
					No tags

SDG# MJLW39

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 23

No: 10-091520-115717-0023
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375692	MJLW12	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0268 (HNO3 pH<2) (1)	SL10GW-D	09/10/2020 14:21	~~MDL~~ AB# 7715 4095 3030
20375704	MJLW24	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0276 (HNO3 pH<2) (1)	SL15GW-D	09/11/2020 11:16	
20375708	MJLW28	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0284 (HNO3 pH<2) (1)	SL18GW-D	09/12/2020 11:10	
20375712	MJLW32	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0292 (HNO3 pH<2) (1)	SL21GW-D	09/12/2020 12:40	
20375714	MJLW34	Ground Water Dissolved/ B. Ciecko	Grab	DISS ICP-AES/ICP-MS(21)	10-0297 (HNO3 pH<2) (1)	SL22GW-D	09/12/2020 14:00	
20375723	MJLW43	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0314 (HNO3 pH<2) (1)	PD06SW	09/12/2020 12:59	
20375724	MJLW44	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0315 (HNO3 pH<2) (1)	PD06SW-D	09/12/2020 12:59	
20375725	MJLW45	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0318 (HNO3 pH<2) (1)	PD09SW	09/12/2020 11:24	

pH 1.9

3

Copy of Original Documents are included in CSF MJLTZ6

S. M. Jodhani
Signature

9/17/2020
Date

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg), TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shp	ENE	9/15/20 12:00		10:00 9-17-20	IR Gun # 1 3.6 C
					Custody Seal / Intact
					Temp Blank present
					No Lags

SDG # MJLW139

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 23

No: 10-091520-115717-0023
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

4

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375726	MJLW46	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0319 (HNO3 pH<2) (1)	PD09SW-D	09/12/2020 11:28	AB# 7715 4095 3030 pH 1.9
20385727	MJLW47	Water/ A. Jensen	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0371 (HNO3 pH<2) (1)	ID01WT	09/15/2020 10:00	
20385728	MJLW48	Water/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0330 (HNO3 pH<2) (1)	RI01WT	09/14/2020 16:55	
20385729	MJLW49	Water/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0335 (HNO3 pH<2) (1)	RI02WT	09/14/2020 17:00	
20385730	MJLW50	Water/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0340 (HNO3 pH<2) (1)	RI03WT	09/14/2020 17:05	
20385731	MJLW51	Water/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0345 (HNO3 pH<2) (1)	RI04WT	09/14/2020 17:10	

Copy of Original Documents are included in CSF MJLW40
S. M. Jadhav
Signature
9/17/2020
Date

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg), TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 12:30		10:00 9-17-20	Ice-Cool #1 3.6°
					Custody Seal Intact
					Temp Blank present
					No loss

SDG# MJLW40

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
EPW14030
Case #: 49090
Cooler #: 20

No: 10-091520-114047-0020
Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

2

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375658	MJLTX8	Sediment Surface/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0197 (None) (1)	PD05SD	09/12/2020 09:40	AB # 7715 4082 0884
20375719	MJLW39	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0306 (HNO3 pH<2) (1)	PD01SW	09/11/2020 17:18	
20375720	MJLW40	Surface Water Dissolved/ S. Wing	Grab	DISS ICP-AES/ICP-MS(21)	10-0307 (HNO3 pH<2) (1)	PD01SW-D	09/11/2020 17:18	
20375721	MJLW41	Surface Water Total/ J. Leeson	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0310 (HNO3 pH<2) (1)	PD05SW	09/12/2020 10:02	
20375722	MJLW42	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0311 (HNO3 pH<2) (1)	PD05SW-D	09/12/2020 10:02	

PH 1.9

Copy Original Documents are included in CSF MJLTQ0

S M. Todhunter
Signature

9/12/2020
Date

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg), DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 11:45		10:00 9-17-20	IR Gun #1 2.3°C
					Custody Seal Intact
					Temp Blank present
					No tags

SDG # MJLW140

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD

EPW14030
Case #: 49090
Cooler #: 23

No: 10-091520-115717-0023

Lab: ChemTech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

3

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375726	MJLW46	Surface Water Dissolved/ J. Leeson	Grab	DISS ICP-AES/ICP-MS(21)	10-0319 (HNO3 pH<2) (1)	PD09SW-D	09/12/2020 11:28	AB# 77154095 3030 pH 1.9
20385727	MJLW47	Water/ A. Jensen	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0371 (HNO3 pH<2) (1)	ID01WT	09/15/2020 10:00	
20385728	MJLW48	Water/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0330 (HNO3 pH<2) (1)	RI01WT	09/14/2020 16:55	
20385729	MJLW49	Water/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0335 (HNO3 pH<2) (1)	RI02WT	09/14/2020 17:00	
20385730	MJLW50	Water/ B. Ciecko	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0340 (HNO3 pH<2) (1)	RI03WT	09/14/2020 17:05	
20385731	MJLW51	Water/ S. Wing	Grab	TOTAL ICP-AES/ICP-MS(21)	10-0345 (HNO3 pH<2) (1)	RI04WT	09/14/2020 17:10	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: DISS ICP-AES/ICP-MS=CLP Dissolv TAL Metals ICP-AES + ICP-MS (Incl. Hg), TOTAL ICP-AES/ICP-MS=CLP Total TAL Metals ICP-AES + ICP-MS (Incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 12:30		10100 9-17-20	IR-Gun #1 3.6°
					Custody Seal Intact
					Temp Blank present
					No leaks

EP-W-16-006

USEPA CLP COC (LAB COPY)

DateShipped: 9/11/2020

CarrierName: FedEx

AirbillNo: 771499227000

SDG: PJLTQ8

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #:

13337

2°C

No: 10-091020-184213-0005

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375608	PJLTQ8	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0024 (None) (1)	SL05GP01	09/09/2020 15:51	1
20375609	PJLTQ9	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0028 (None) (1)	SL05GP02	09/09/2020 16:07	2
20375610	PJLTR0	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0032 (None) (1)	SL06GP01	09/09/2020 17:04	3
20375611	PJLTR1	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0036 (None) (1)	SL06GP02	09/09/2020 17:24	4
20375612	PJLTR2	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0040 (None) (1)	SL07GP01	09/10/2020 08:42	5
20375613	PJLTR3	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0044 (None) (1)	SL07GP02	09/10/2020 10:24	6
20375614	PJLTR4	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0048 (None) (1)	SL08TP01	09/09/2020 13:45	7
20375615	PJLTR5	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0052 (None) (1)	SL08TP02	09/09/2020 14:11	8
20375630	PJLTT0	Soil Subsurface/ S. Wing	Grab	PCDD/PCDF(21)	10-0098 (None) (1)	SL16TP01	09/10/2020 09:25	9
20375631	PJLTT1	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0102 (None) (1)	SL16TP02	09/10/2020 10:12	10

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/10/20 ~~9:24~~ 21:24	K Christensen FTR	09/12/2020 10:50	good

1 of 3

EP-W-16-0060

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-091020-184213-0005

DateShipped: 9/11/2020
CarrierName: FedEx
AirbillNo: 771499227000 SDG: PJLTQ8

Case #: 49090
Cooler #: 13337 2°C

Lab: Frontier Analytical Laboratory
Lab Contact: Brad Silverbush
Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375636	PJLTT6	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0122 (None) (1)	SL19TP01	09/09/2020 15:14	11
20375637	PJLTT7	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0126 (None) (1)	SL19TP02	09/09/2020 15:45	12
20375654	PJLTX4	Sediment Surface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0186 (None) (1)	PD01SD	09/09/2020 14:00	13
20375655	PJLTX5	Sediment Surface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0189 (None) (1)	PD02SD	09/09/2020 14:16	14
20375656	PJLTX6	Sediment Surface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0192 (None) (1)	PD03SD	09/09/2020 14:34	15
20375663	PJLTY3	Soil Surface/ S. Wing	Grab	PCDD/PCDF(21)	10-0215 (None) (1)	SL16TP03	09/10/2020 09:47	16
20375664	PJLTY4	Soil Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0220 (None) (1)	SL16TP04	09/10/2020 10:25	17
20375685	PJLW05	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0245 (None) (2)	SL05GW	09/09/2020 17:51	18
20375687	PJLW07	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0249 (None) (2)	SL06GW	09/10/2020 09:34	19

Sample(s) to be used for Lab QC: 20375687 Tag 10-0249	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/10/20 21:24	K Christensen FTR	10:50AM 09/12/2020	good

EP-W-16-006

USEPA CLP COC (LAB COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1945 4071 SDG: PJLTQ8

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 15

13337

2°C

No: 10-091420-095816-0015

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375689	PJLW09	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0253 (None) (2)	SL07GW	09/10/2020 12:17	20
~~20375703~~	~~PJLW23~~	~~Ground Water Total/ B. Ciecko~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0275 (None) (2)~~	~~SL15GW~~	~~09/11/2020 11:16~~	
~~20375709~~	~~PJLW29~~	~~Ground Water Total/ B. Ciecko~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0287 (None) (2)~~	~~SL20GW~~	~~09/11/2020 15:34~~	
~~20375711~~	~~PJLW31~~	~~Ground Water Total/ B. Ciecko~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0291 (None) (2)~~	~~SL21GW~~	~~09/12/2020 12:40~~	
~~20375719~~	~~PJLW39~~	~~Surface Water Total/ J. Leeson~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0305 (None) (2)~~	~~PD01SW~~	~~09/11/2020 17:18~~	

KC 09/16/2020

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: PCDD/PCDF=Dioxins / Furans

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	E&E	9/14/20 10:05	K Christensen Kassandra Christensen FTL	10:00 AM 09/16/2020	good

3 of 3

EPA-W-16-006

USEPA CLP COC (LAB COPY) SDG: PJLTT3

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4123 9722

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 30

13343

COC

No: 10-091520-123652-0030

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
~~20375619~~	~~PJLTR9~~	~~Soil Subsurface/ J. Leeson~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0369 (None) (1)~~	OP02TP01	~~09/11/2020 15:03~~	15
~~20375626~~	~~PJLTS6~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0082 (None) (1)~~	~~SL14GP01~~	~~09/10/2020 13:54~~	16
~~20375627~~	~~PJLTS7~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0086 (None) (1)~~	~~SL14GP02~~	~~09/10/2020 16:25~~	17
~~20375628~~	~~PJLTS8~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0090 (None) (1)~~	~~SL15GP01~~	~~09/11/2020 09:16~~	18
~~20375629~~	~~PJLTS9~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0094 (None) (1)~~	~~SL15GP02~~	~~09/11/2020 09:53~~	19
~~20375632~~	~~PJLTT2~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0106 (None) (1)~~	~~SL17GP01~~	~~09/11/2020 10:30~~	20
20375633	PJLTT3	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0110 (None) (1)	SL17GP02	09/11/2020 12:37	1
20375634	PJLTT4	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0114 (None) (1)	SL18GP01	09/12/2020 08:52	2
20375635	PJLTT5	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0118 (None) (1)	SL18GP02	09/12/2020 09:38	3
20375638	PJLTT8	Soil Subsurface/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0130 (None) (1)	SL20GP01	09/11/2020 13:40	4

ICL 10/15/2020

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:42	Kathy 300 FTR	09/17/2020 950	good

1 of 3

EP-W-16-006

USEPA CLP COC (LAB COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo: 7715 4123 9722

SDG: PJLTT3

CHAIN OF CUSTODY RECORD

Case #: 49090
Cooler #: 30

13343
0°C

No: 10-091520-123652-0030
Lab: Frontier Analytical Laboratory
Lab Contact: Brad Silverbush
Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375640	PJLTW0	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0138 (None) (1)	SL21GP01	09/12/2020 10:10	5
20375642	PJLTW2	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0146 (None) (1)	SL22GP01	09/12/2020 10:44	6
20375644	PJLTW4	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0153 (None) (1)	SL23TP01	09/10/2020 13:06	7
20375645	PJLTW5	Soil Subsurface/ S. Wing	Grab	PCDD/PCDF(21)	10-0156 (None) (1)	SL23TP02	09/10/2020 12:59	8
20375646	PJLTW6	Soil Subsurface/ S. Wing	Grab	PCDD/PCDF(21)	10-0159 (None) (1)	SL24TP01	09/10/2020 14:15	9
20375647	PJLTW7	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0162 (None) (1)	SL24TP02	09/10/2020 14:07	10
20375648	PJLTW8	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0165 (None) (1)	SL25TP01	09/10/2020 14:53	11
20375649	PJLTW9	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0168 (None) (1)	SL25TP02	09/10/2020 14:41	12
20375650	PJLTX0	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0171 (None) (1)	SL26TP01	09/10/2020 15:29	13
20375651	PJLTX1	Soil Subsurface/ S. Wing	Grab	PCDD/PCDF(21)	10-0174 (None) (1)	SL26TP02	09/10/2020 15:18	14

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	Pave	9/15/20 12:42	Kathy Zap FTR	09/17/2020 950	good

USEPA CLP COC (LAB COPY) SDG: PJLTT3

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4123 9722

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 30

13343

0°C

EP-W-16-006

No: 10-091520-123652-0030

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375652	PJLTX2	Soil Subsurface/ S. Wing	Grab	PCDD/PCDF(21)	10-0180 (None) (1)	SL27TP01	09/10/2020 17:21	15
20375657	PJLTX7	Sediment Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0195 (None) (1)	PD04SD	09/12/2020 09:06	16
20375658	PJLTX8	Sediment Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0198 (None) (1)	PD05SD	09/12/2020 09:40	17
20375659	PJLTX9	Sediment Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0201 (None) (1)	PD06SD	09/12/2020 13:13	18
20375660	PJLTY0	Sediment Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0204 (None) (1)	PD07SD	09/12/2020 13:28	19
20375661	PJLTY1	Sediment Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0207 (None) (1)	PD08SD	09/12/2020 13:38	20
20375662	PJLTY2	Sediment Surface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0210 (None) (1)	PD09SD	09/12/2020 11:48	21

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:42	Kathy 3PP FTR	09/17/2020 950	good

3 of 3

EP-W-16-006

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-091420-095816-0015

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1945 4071 SDG: PJLW23

Case #: 49090

Cooler #: 15

13341

2°C

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
~~20375689~~	~~PJLW09~~	~~Ground Water Total/ B. Ciecko~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0253 (None) (2)~~	~~SL07GW~~	~~09/10/2020 12:17~~	KC 09/16/2020
20375703	PJLW23	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0275 (None) (2)	SL15GW	09/11/2020 11:16	1
20375709	PJLW29	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0287 (None) (2)	SL20GW	09/11/2020 15:34	2
20375711	PJLW31	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0291 (None) (2)	SL21GW	09/12/2020 12:40	3
20375719	PJLW39	Surface Water Total/ J. Leeson	Grab	PCDD/PCDF(21)	10-0305 (None) (2)	PD01SW	09/11/2020 17:18	4

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: PCDD/PCDF=Dioxins / Furans

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 10:05	K Christensen Kassandra Christensen FTR	10:00 AM 09/16/2020	good

1 of 4

EP-W-16-006

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-091420-095310-0014

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo: 7715 1943 4713 SDG: PJLW23

Case #: 49090

Cooler #: 14

13341

2°C

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375707	PJLW27	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0283 (None) (2)	SL18GW	09/12/2020 11:10	5
20375713	PJLW33	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0296 (None) (2)	SL22GW	09/12/2020 14:00	6
20375721	PJLW41	Surface Water Total/ J. Leeson	Grab	PCDD/PCDF(21)	10-0309 (None) (2)	PD05SW	09/12/2020 10:02	7
20375723	PJLW43	Surface Water Total/ J. Leeson	Grab	PCDD/PCDF(21)	10-0313 (None) (2)	PD06SW	09/12/2020 12:59	8
20375725	PJLW45	Surface Water Total/ J. Leeson	Grab	PCDD/PCDF(21)	10-0317 (None) (2)	PD09SW	09/12/2020 11:24	9

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 10:10	K Christensen Kassandra Christensen FTR	10:00AM 09/16/2020	good

EP-W-16-006

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 7715 4131 1490

SDG: PJLW23

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 31

13341

OGC

No: 10-091520-124404-0031

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20385715	PJLW35	Ground Water Total/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0302 (None) (2)	TP23GW	09/14/2020 10:35	10
20385727	PJLW47	Water/ A. Jensen	Grab	PCDD/PCDF(21)	10-0323 (None) (2)	ID01WT	09/15/2020 10:00	11
20385728	PJLW48	Water/ S. Wing	Grab	PCDD/PCDF(21)	10-0327 (None) (2)	RI01WT	09/14/2020 16:55	12
20385729	PJLW49	Water/ S. Wing	Grab	PCDD/PCDF(21)	10-0333 (None) (2)	RI02WT	09/14/2020 17:00	13
20385730	PJLW50	Water/ B. Ciecko	Grab	PCDD/PCDF(21)	10-0338 (None) (2)	RI03WT	09/14/2020 17:05	14

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 12:53	Kathy Zipp FTR	09/17/2020 950	good

EP-W-16-006

USEPA CLP COC (LAB COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo: 4123 9722 7715 ~~4131 4490~~ KC 09/18/2020

SDG: PJLW23

CHAIN OF CUSTODY RECORD

Case #: 49090

Cooler #: 30

13341

COC

No: 10-091520-123652-0030

Lab: Frontier Analytical Laboratory

Lab Contact: Brad Silverbush

Lab Phone: 916-934-0900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
20375619	PJLTR9	Soil Subsurface/ J. Leeson	Grab	PCDD/PCDF(21)	10-0369 (None) (1)	OP02TP01	09/11/2020 15:03	15
20375626	PJLTS6	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0082 (None) (1)	SL14GP01	09/10/2020 13:54	16
20375627	PJLTS7	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0086 (None) (1)	SL14GP02	09/10/2020 16:25	17
20375628	PJLTS8	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0090 (None) (1)	SL15GP01	09/11/2020 09:16	18
20375629	PJLTS9	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0094 (None) (1)	SL15GP02	09/11/2020 09:53	19
20375632	PJLTT2	Soil Subsurface/ M. Talaia-Murray	Grab	PCDD/PCDF(21)	10-0106 (None) (1)	SL17GP01	09/11/2020 10:30	20
~~20375633~~	~~PJLTT3~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0110 (None) (1)~~	~~SL17GP02~~	~~09/11/2020 12:37~~	
~~20375634~~	~~PJLTT4~~	~~Soil Subsurface/ M. Talaia-Murray~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0114 (None) (1)~~	~~SL18GP01~~	~~09/12/2020 08:52~~	
~~20375635~~	~~PJLTT5~~	~~Soil Subsurface/ B. Ciecko~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0118 (None) (1)~~	~~SL18GP02~~	~~09/12/2020 09:38~~	
~~20375638~~	~~PJLTT8~~	~~Soil Subsurface/ B. Ciecko~~	~~Grab~~	~~PCDD/PCDF(21)~~	~~10-0130 (None) (1)~~	~~SL20GP01~~	~~09/11/2020 13:40~~	

KC 09/17/2020

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: PCDD/PCDF=Dioxins / Furans	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:42	Kuehne 300 FTR	09/17/2020 950	good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/10/2020
CarrierName: FedEx
AirbillNo: 771486776631

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #:

No: 10-090920-183144-0001
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375600		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21), TPH-Gx(21)	N1 (None), N2 (None), N3 (None), N4 (None) (4)	SL01GP01	09/09/2020 09:58	Field
20375602		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21), TPH-Gx(21)	N1 (None), N2 (None), N3 (None), N4 (None) (4)	SL02GP01	09/09/2020 11:17	Field
20375614		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21), TPH-Gx(21)	N1 (None), N2 (None), N3 (None), N4 (None) (4)	SL08TP01	09/09/2020 13:45	Field
20375615		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21), TPH-Gx(21)	N1 (None), N2 (None), N3 (None), N4 (None) (4)	SL08TP02	09/09/2020 14:11	Field
20375636		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21), TPH-Gx(21)	N1 (None), N2 (None), N3 (None), N4 (None) (4)	SL19TP01	09/09/2020 15:14	Field
20375637		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21), TPH-Gx(21)	N1 (None), N2 (None), N3 (None), N4 (None) (4)	SL19TP02	09/09/2020 15:45	Field
20375654		Sediment Surface/ B. Ciecko	Grab	TOC(21)	N1 (None) (1)	PD01SD	09/09/2020 14:00	Field
20375655		Sediment Surface/ B. Ciecko	Grab	TOC(21)	N1 (None) (1)	PD02SD	09/09/2020 14:16	Field
20375656		Sediment Surface/ B. Ciecko	Grab	TOC(21)	N1 (None) (1)	PD03SD	09/09/2020 14:34	Field

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TPH-Gx=TPH-Gx, TOC=Total Organic Carbon, TPH-Dx=TPH-Dx

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EwE	9/9/20 21:45	Kim Wood	9/11/20 12:30	good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/10/2020
CarrierName: FedEx
AirbillNo: 771486776631

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #:

No: 10-090920-183144-0001
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375677		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21), TPH-Gx(21)	A1 (HCl), A2 (HCl), A3 (HCl), A4 (HCl), A5 (HCl) (5)	SL01GW	09/09/2020 12:32	Field

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TPH-Gx=TPH-Gx, TOC=Total Organic Carbon, TPH-Dx=TPH-Dx

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	Env	9/9/20 21:45	Kurt Wood	9/11/20 12:30	good

EPA R10 Lab (MEL) COC (REGION COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo:

CHAIN OF CUSTODY RECORD

Former Western States Plywood/OR

Project Code: BFP-038A

Cooler #: 6

No: 10-091320-154414-0006

Account Number 20202021B10P000D43G000BZ00

Dick Pulvers Contact Name:

206-419-3420 Contact Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375610		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL06GP01	09/09/2020 17:04	Field
20375611		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL06GP02	09/09/2020 17:24	Field
20375616		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL09GP01	09/10/2020 11:32	Field
20375618		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL10GP01	09/10/2020 12:39	Field
20375622		Soil Subsurface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL12TP01	09/11/2020 10:03	Field
20375623		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL12TP02	09/11/2020 10:14	Field
20375628		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL15GP01	09/11/2020 09:16	Field
20375629		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL15GP02	09/11/2020 09:53	Field
20375685		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL05GW	09/09/2020 17:51	Field
20375687		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A10 (HCl), A2 (HCl), A9 (HCl) (4)	SL06GW	09/10/2020 09:34	Field

Sample(s) to be used for Lab QC: 20375687 Tag A1, 20375687 Tag A2, 20375687 Tag A9

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TPH-Dx=TPH-Dx

tbc

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shp	EnE	9/13/20 16:00	Kim Wood	9/14/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)

DateShipped: 9/14/2020

CarrierName: FedEx

AirbillNo:

CHAIN OF CUSTODY RECORD

Former Western States Plywood/OR

Project Code: BFP-038A

Cooler #: 6

No: 10-091320-154414-0006

Account Number 20202021B10P000D43G000BZ00

Dirk Palmer Contact Name:

208-419-3420 Contact Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375703		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL15GW	09/11/2020 11:16	Field

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

6 C

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TPH-Dx=TPH-Dx

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE		Kim Wood	9/14/20	1207

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 7

No: 10-091320-155946-0007
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375624		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL13TP01	09/11/2020 12:59	Field
20375625		Soil Subsurface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL13TP02	09/11/2020 12:51	Field
20375632		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL17GP01	09/11/2020 10:30	Field
20375633		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL17GP02	09/11/2020 12:37	Field
20375638		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21), TOC(21)	N1 (None), N5 (None) (2)	SL20GP01	09/11/2020 13:40	Field
20375665		Soil Surface/ J. Leeson	Grab	TPH-Dx/%Soild(21)	N4 (None) (1)	OP01TP01	09/11/2020 13:25	Field
20375666		Soil Surface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N4 (None) (1)	OP01TP02	09/11/2020 13:45	Field
20375689		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL07GW	09/10/2020 12:17	Field
20375691		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL10GW	09/10/2020 14:21	Field
20375709		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL20GW	09/11/2020 15:34	Field

Sample(s) to be used for Lab QC: 20375638 Tag N1

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TOC=Total Organic Carbon, TPH-Dx=TPH-Dx

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/13/20 16:15	Kim Wood	9/14/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 7

No: 10-091320-155946-0007
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375713		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL22GW	09/12/2020 14:00	Field

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TOC=Total Organic Carbon, TPH-Dx=TPH-Dx

6C

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	16:15 9/15/20	Kim Wood	9/16/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 8

No: 10-091320-160951-0008
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375608		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21), TOC(21)	N1 (None), N5 (None) (2)	SL05GP01	09/09/2020 15:51	Field
20375609		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL05GP02	09/09/2020 16:07	Field
20375612		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL07GP01	09/10/2020 08:42	Field
20375613		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL07GP02	09/10/2020 10:24	Field
20375617		Soil Subsurface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	OP01TP03	09/11/2020 14:13	Field
20375620		Soil Subsurface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL11TP01	09/11/2020 10:48	Field
20375621		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL11TP02	09/11/2020 11:33	Field
20375626		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21), TOC(21)	N1 (None), N5 (None) (2)	SL14GP01	09/10/2020 13:54	Field
20375627		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL14GP02	09/10/2020 16:25	Field
20375630		Soil Subsurface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL16TP01	09/10/2020 09:25	Field

Sample(s) to be used for Lab QC: 20375620 Tag N1	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TOC=Total Organic Carbon	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/13/20 16:20	Kim Wood	9/14/20	12:07 good LC

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 8

No: 10-091320-160951-0008
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375631		Soil Subsurface/ J. Leeson	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL16TP02	09/10/2020 10:12	Field
20375644		Soil Subsurface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	SL23TP01	09/10/2020 13:06	Field
20375657		Sediment Surface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	PD04SD	09/12/2020 09:06	Field
20375658		Sediment Surface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	PD05SD	09/12/2020 09:40	Field
20375663		Soil Surface/ S. Wing	Grab	TPH-Dx/%Soild(21)	N4 (None) (1)	SL16TP03	09/10/2020 09:47	Field
20375664		Soil Surface/ J. Leeson	Grab	TPH-Dx/%Soild(21)	N4 (None) (1)	SL16TP04	09/10/2020 10:25	Field
20375707		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL18GW	09/12/2020 11:10	Field
20375711		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	SL21GW	09/12/2020 12:40	Field

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TOC=Total Organic Carbon, TPH-Dx=TPH-Dx	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/13/20 16:20	Kim Wood	9/14/20 12:07	good VC

EPA R10 Lab (MEL) COC (REGION COPY)

DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD

Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 13

No: 10-091320-182836-0013

Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
~~20375601~~ 20385601		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	OP01GP01	09/13/2020 10:20	Field
20375608		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL05GP01	09/09/2020 15:51	Field
20375609		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL05GP02	09/09/2020 16:07	Field
20375610		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL06GP01	09/09/2020 17:04	Field
20375611		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL06GP02	09/09/2020 17:24	Field
20375612		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL07GP01	09/10/2020 08:42	Field
20375613		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL07GP02	09/10/2020 10:24	Field
20375617		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N2 (Freeze in field), N3 (Freeze in field), N4 (Freeze in field) (3)	OP01TP03	09/11/2020 14:13	Field
20375620		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None), N5 (None), N6 (None), N7 (None) (6)	SL11TP01	09/11/2020 10:48	Field

Sample(s) to be used for Lab QC: 20375620 Tag N2, 20375620 Tag N3, 20375620 Tag N4, 20375620 Tag N5, 20375620 Tag N6, 20375620 Tag N7

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Gx=TPH-Gx

-1c

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	QR EnvE	9/14/20 9:40	Kim Wood	9/16/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 13

No: 10-091320-182836-0013
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375621		Soil Subsurface/ J. Leeson	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL11TP02	09/11/2020 11:33	Field
20375622		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL12TP01	09/11/2020 10:03	Field
20375623		Soil Subsurface/ J. Leeson	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL12TP02	09/11/2020 10:14	Field
20375624		Soil Subsurface/ J. Leeson	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL13TP01	09/11/2020 12:59	Field
20375625		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL13TP02	09/11/2020 12:51	Field
20375626		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL14GP01	09/10/2020 13:54	Field
20375627		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL14GP02	09/10/2020 16:25	Field
20375628		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL15GP01	09/11/2020 09:16	Field
20375629		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL15GP02	09/11/2020 09:53	Field
20375630		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL16TP01	09/10/2020 09:25	Field

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TPH-Gx=TPH-Gx	-1 C

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 9:40	Kurt Wood	9/16/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)

DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD

Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 13

No: 10-091320-182836-0013

Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375631		Soil Subsurface/ J. Leeson	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL16TP02	09/10/2020 10:12	Field
20375632		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL17GP01	09/11/2020 10:30	Field
20375633		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL17GP02	09/11/2020 12:37	Field
20375634		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None), N5 (None), N6 (None), N7 (None) (6)	SL18GP01	09/12/2020 08:52	Field
20375635		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None), N5 (None), N6 (None), N7 (None) (6)	SL18GP02	09/12/2020 09:38	Field
20375638		Soil Subsurface/ B. Ciecko	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None), N6 (None), N7 (None), N8 (None) (6)	SL20GP01	09/11/2020 13:40	Field
20375640		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL21GP01	09/12/2020 10:10	Field
20375642		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Gx(21)	N2 (None), N3 (None), N4 (None) (3)	SL22GP01	09/12/2020 10:44	Field
20375663		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N1 (None), N2 (None), N3 (None) (3)	SL16TP03	09/10/2020 09:47	Field

Sample(s) to be used for Lab QC: 20375638 Tag N2, 20375638 Tag N3, 20375638 Tag N4, 20375638 Tag N6, 20375638 Tag N7, 20375638 Tag N8

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Gx=TPH-Gx

-1C

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/14/20 9:40	Kim Wood	9/16/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/14/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 13

No: 10-091320-182836-0013
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375664		Soil Subsurface/ J. Leeson	Grab	TPH-Gx(21)	N1 (None), N2 (None), N3 (None) (3)	SL16TP04	09/10/2020 10:25	Field
20375665		Soil Subsurface/ J. Leeson	Grab	TPH-Gx(21)	N1 (None), N2 (None), N3 (None) (3)	OP01TP01	09/11/2020 13:25	Field
20375666		Soil Subsurface/ S. Wing	Grab	TPH-Gx(21)	N1 (None), N2 (None), N3 (None) (3)	OP01TP02	09/11/2020 13:45	Field
~~20375736~~ 20385736		Water/ B. Ciecko	Grab	TPH-Gx(21)	A1 (HCl), A2 (HCl), A3 (HCl) (3)	TB02WT	09/13/2020 18:15	Trip Blank

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TPH-Gx=TPH-Gx	-1 C

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	DR Ent E	9/14/20 9:40	Kim Wood	9/16/20	12:07 good

EPA R10 Lab (MEL) COC (REGION COPY)

DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD

Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: #17

No: 10-091520-110851-0017

Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20385728		Water/ S. Wing	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	RI01WT	09/14/2020 16:55	Rinsate
20385729		Water/ S. Wing	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	RI02WT	09/14/2020 17:00	Rinsate
20385730		Water/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	RI03WT	09/14/2020 17:05	Rinsate

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx=TPH-Dx

5c

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	QR Ent	9/15/20 11:15	Kim Wood	9/16/20	1545 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 18

No: 10-091520-112001-0018
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
~~20375601~~ 20385601		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	OP01GP01	09/13/2020 10:20	Field
20375634		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL18GP01	09/12/2020 08:52	Field
20375635		Soil Subsurface/ B. Ciecko	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL18GP02	09/12/2020 09:38	Field
20375640		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL21GP01	09/12/2020 10:10	Field
20375642		Soil Subsurface/ M. Talaia-Murray	Grab	TPH-Dx/%Soild(21)	N1 (None) (1)	SL22GP01	09/12/2020 10:44	Field
20375659		Sediment Surface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	PD06SD	09/12/2020 13:13	Field
20375660		Sediment Surface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	PD07SD	09/12/2020 13:28	Field
20375661		Sediment Surface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	PD08SD	09/12/2020 13:38	Field

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TOC=Total Organic Carbon	SC

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	OP ENE	9/15/20 11:34	Kim Wood	9/16/20	1545 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 18

No: 10-091520-112001-0018
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375662		Sediment Surface/ J. Leeson	Grab	TOC(21)	N1 (None) (1)	PD09SD	09/12/2020 11:48	Field
20385679		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	EW01GW	09/14/2020 14:05	Field
20385695		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	TP12GW	09/13/2020 14:22	Field
20385697		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	TP13GW	09/14/2020 12:24	Field
20385699		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	EW02GW	09/14/2020 15:35	Field

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx/%Soild=TPH-Dx + % Solids, TOC=Total Organic Carbon, TPH-Dx=TPH-Dx

5C

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 11:34	Kris Wood	9/16/20	1545 good

EPA R10 Lab (MEL) COC (REGION COPY)

DateShipped: 9/15/2020

CarrierName: FedEx

AirbillNo:

CHAIN OF CUSTODY RECORD

Former Western States Plywood/OR

Project Code: BFP-038A

Cooler #: 19

No: 10-091520-113638-0019

Account Number 20202021B10P000D43G000BZ00

Contact Name: Derek Pulvino

Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
~~20375693~~ 20385693		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	TP11GW	09/13/2020 11:06	Field
20385727		Water/ A. Jensen	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	ID01WT	09/15/2020 10:00	Field
20385734		Ground Water Total/ B. Ciecko	Grab	TPH-Dx(21)	A1 (HCl), A2 (HCl) (2)	OP01GW	09/13/2020 12:51	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Dx=TPH-Dx

5C

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	ENE	9/15/20 11:39	Kim Wood	9/16/20	15:45 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 29

No: 10-091520-123026-0029
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20375685		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL05GW	09/09/2020 17:51	Field
20375687		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl), A6 (HCl), A7 (HCl), A8 (HCl) (6)	SL06GW	09/10/2020 09:34	Field
20375689		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL07GW	09/10/2020 12:17	Field
~~20375693~~ 20385693		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	TP11GW	09/13/2020 11:06	Field
20375703		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL15GW	09/11/2020 11:16	Field
20375707		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL18GW	09/12/2020 11:10	Field
20375709		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL20GW	09/11/2020 15:34	Field
20375711		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL21GW	09/12/2020 12:40	Field
20375713		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	SL22GW	09/12/2020 14:00	Field
20375735		Water/ B. Ciecko	Grab	TPH-Gx(21)	A1 (HCl), A2 (HCl), A3 (HCl) (3)	TB01WT	09/10/2020 16:47	Trip Blank
20385679		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	EW01GW	09/14/2020 14:05	Field

Sample(s) to be used for Lab QC: 20375687 Tag A3, 20375687 Tag A4, 20375687 Tag A5, 20375687 Tag A6, 20375687 Tag A7, 20375687 Tag A8

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Gx=TPH-Gx

SC

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:35	Kim Wood	9/16/20	1545 good

EPA R10 Lab (MEL) COC (REGION COPY)
DateShipped: 9/15/2020
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Former Western States Plywood/OR
Project Code: BFP-038A
Cooler #: 29

No: 10-091520-123026-0029
Account Number 20202021B10P000D43G000BZ00
Contact Name: Derek Pulvino
Contact Phone: 206-419-3420

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
20385695		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	TP12GW	09/13/2020 14:22	Field
20385697		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	TP13GW	09/14/2020 12:24	Field
20385699		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	EW02GW	09/14/2020 15:35	Field
20385727		Water/ A. Jensen	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	ID01WT	09/15/2020 10:00	Field
20385728		Water/ S. Wing	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	RI01WT	09/14/2020 16:55	Rinsate
20385729		Water/ S. Wing	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	RI02WT	09/14/2020 17:00	Rinsate
20385730		Water/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	RI03WT	09/14/2020 17:05	Rinsate
20385734		Ground Water Total/ B. Ciecko	Grab	TPH-Gx(21)	A3 (HCl), A4 (HCl), A5 (HCl) (3)	OP01GW	09/13/2020 12:51	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TPH-Gx=TPH-Gx

SC

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Ship	EnE	9/15/20 12:35	Kim Wood	9/16/20	1545 good