



# Technical Memorandum

To: Mark Pugh, Oregon DEQ

From: Krysta Krippaehne-Stein  
Kathy Lombardi, PE

Date: December 20, 2024

Project No.: M0496.02.004

Re: Water Filtration Plant Demolition Completion Summary

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This memorandum summarizes demolition of the former Blue Heron Water Filtration Plant (WFP), located at the former Blue Heron paper mill site at 419 and 427 Main Street, Oregon City, Oregon (the Property) (Figure 1-1), and was prepared by Maul Foster & Alongi, Inc. for the owner of the Property, The Confederated Tribes of Grand Ronde. The WFP was located at the northwest corner of the Property, adjacent to the Willamette River to the west and the administration building to the north (Figure 1-2). Work was completed per the Removal Action Plan (RAP) dated June 28, 2022.

## Project Description

The WFP included aboveground water filtration cells, three supporting steel and concrete structures (mechanical room, garage, and office), and an attached steel-framed guard structure. The basement and first floor of the WFP were made of reinforced concrete, while the second floor was made of steel and masonry. The primary area of the building was two stories high, while the office area extended an additional two stories. Mechanical equipment and most of the system piping was removed from the building before demolition.

## Permits

Work was performed under building and demolition permit (No. B-DEMO-21-00015) issued by the City of Oregon City. Residual water from the filtration cells was pumped to the public sanitary sewer system under authorization from Clackamas Water and Environment Services (WES). A copy of the demolition permit and discharge authorization is included as Attachment 1. No other permits were required. Analytical reports for characterization of the residual water supporting the WES discharge authorization is included in Attachment 2.

## Demolition Summary

Demolition was performed from May to August 2022 by Elder Demolition (Contractor) in accordance with the RAP. Details of the demolition are described below. A photo log of demolition activities is included as Attachment 3.

## Hazardous Building Materials Abatement

Hazardous building materials (HBM) were removed from accessible areas before structural demolition started. IRS Environmental completed remediation of asbestos at the site from November 2021 through July of 2022. Materials abated included cement asbestos board (CAB), roofing, flooring mastic, and transite pipe wrapped in concrete.

Materials were packaged according to Oregon Administrative Rules 340, Division 248 in double 6-mil bags or loaded to a 40 cubic yard roll-off box and enclosed in a similar 6-mil plastic membrane. Sealed packages were labeled with an asbestos hazard warning label, then disposed offsite at Waste Management Hillsboro Landfill. Asbestos waste shipment report forms (ASN 4) are included in Attachment 4.

## General Demolition

Once accessible HBM was removed, the Contractor removed structures generally as described in the RAP. Demolition started with ancillary structures attached to the east side of the complex, then progressed to the steel structures adjacent to the concrete filter cells. Water was pumped from the filter cells and discharged to a public manhole adjacent to the northwest corner of the site per the WES authorization. The reinforced concrete structure was then demolished.

Non-hazardous materials were either loaded to 40 cubic yard roll-off containers and collected by Oregon City Garbage for offsite disposal or salvaged for recycling. Gully Washer units attached to the WFP as well as the Millwright and Carpentry Shops were also disposed offsite under this scope of work. Sediment and filter media in the filtration cells was air-dried onsite using a perlite additive for stabilization before loading to trucks for hauling. Disposal records for demolition materials, Gully Washers, and filter cell sediment/filter media are included in Attachment 5. Analytical reports for disposal characterization of the Gully Washers is included in Attachment 6. Analytical reports for characterization of the filter plant sediment/filter media is included in Attachment 2.

The Contractor implemented and maintained stormwater best management practices and dust control throughout the project. Floating wood panels were installed in the lagoon adjacent to work areas to prevent debris from entering the water.

## Site Cleanup

Once demolition was complete, the Contractor removed all debris and swept surrounding work areas to remove small debris and dust. Concrete rubble from the structure demolition was crushed then used to backfill the basement area and create safe perimeter slopes (2:1, horizontal:vertical maximum). Photos of the final site condition are included in Attachment 3.

## Issues and Changes

Once the upper level of the concrete filter cells was removed, the Contractor revealed open basement areas that were founded on bedrock. The basement areas appeared to hold water as

either an initial holding cell before treatment, or overflow holding before discharge. The basement cells were divided in half with one cell on the east of the WFP and a second cell on the west of the WFP. Residual sediment in the bottom of the basement was sampled for disposal characterization, then removed, dried and stabilized similar to the filter plant solids, and disposed offsite at Waste Management Hillsboro Landfill. Analytical reports for characterization are included in Attachment 7, disposal records are included in Attachment 5.

## Attachments

Limitations

Figures

1—Permits

2—Filter Plant Solids and Water Analytical

3—Photographic Log

4—Asbestos Closeout Documentation

5—Debris Disposal Records

6—Gully Washer Disposal Characterization

7—Basement Sediment Disposal Characterization



## Limitations

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

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

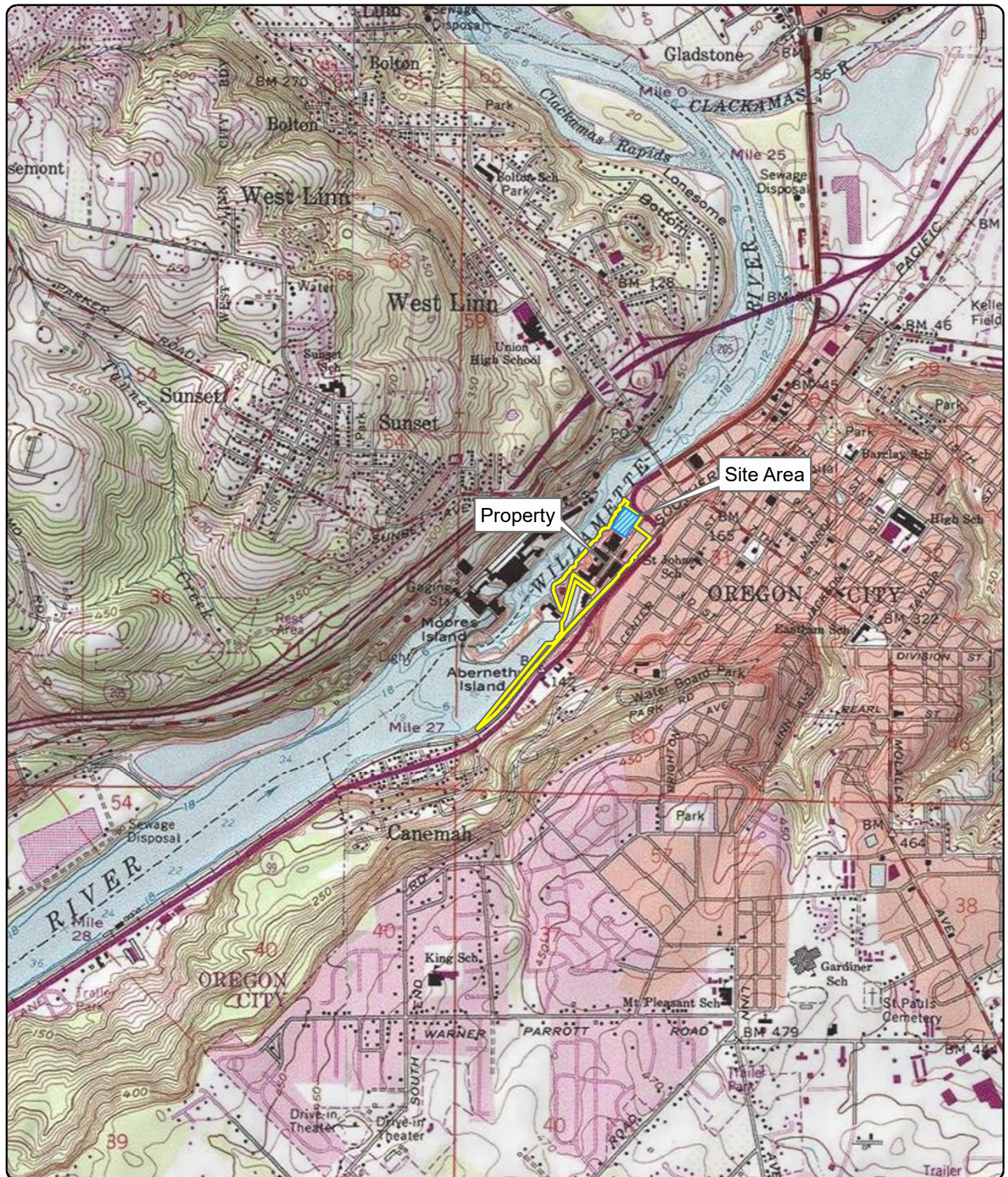
# Figures

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Site Address: 419 Main Street, Oregon City, Oregon  
97045  
Section 31, Township 2 South, Range 2 East of the  
Willamette Meridian.  
Source: U.S. Geological Survey (1985) 7.5-minute topographic  
quadrangles: Oregon City and Canby; property boundary  
prepared using parcels (May 2017) obtained from Metro  
Regional Land Information System database.

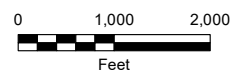


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p. 971 544 2139 | www.maulfooster.com

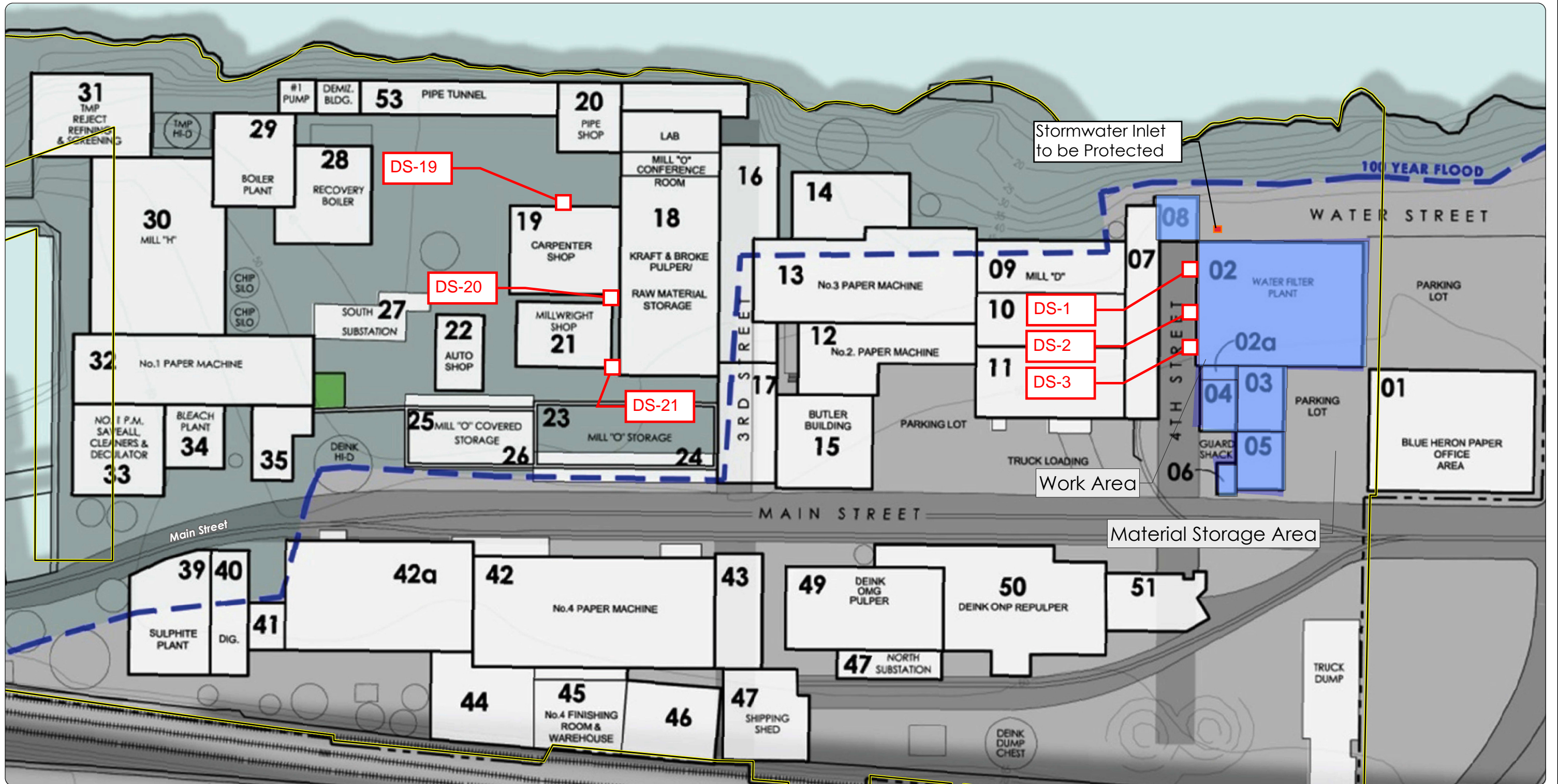
This product is for informational purposes and may not have been prepared for, or be suitable  
for legal, engineering, or surveying purposes. Users of this information should review or  
consult the primary data and information sources to ascertain the usability of the information.

**Figure 1-1**  
**Site Location**

Former Blue Heron Mill Site  
Oregon City, Oregon







Source: Parcel boundary (May 2017) obtained from Metro Regional Land Information System; site features obtained from Environmental Resources Management (ERM).

### Legend

- Property Tax Lot
- Site Structure
- CB = Stormwater Catch Basin
- DS = Downspout
- MH = Manhole
- VA = Vault

**Figure 1-2  
Site Layout**

300 Main Street  
Oregon City, OR

# Attachment 1

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## Permits



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**City of Oregon City**  
PO Box 3040  
695 Warner Parrott Road  
Oregon City, Oregon 97045-0304  
503-722-3789

Permit NO.: **BDEMO-21-00015** Permit IVR Number: **112965**

# Permit

Permit Type: **Demolition**  
Work Classification: **Non-Residential**  
Permit Status: **Issued**

Issue Date: **03/14/2022**

Expiration: **09/17/2024**

## Location Address

**419 MAIN ST, OREGON CITY, OR 97045**

## Parcel Number

**2-2E-31BD-00300**

## Contacts

**Shannon Ham-Teixeira** **Owner**  
9615 Grand Ronde rd., Grand ARonde, OR 97347  
shannon.ham-teixeira@grandronde.org

**Ryan Webb** **Applicant**  
ryan.webb@grandronde.org

**Krysta Krippaehne-Stein** **Contractor**  
3140 NE Broadway, Portland, OR 97232  
kstein@maulfoster.com

**ELDER DEMOLITION** **Contractor**  
6400 SE 101st AVE Ste 201, Portland, OR 97266  
(503)760-6330 jeffelder@eldgerdemolition.com

**Jacob Faust** **Other**  
6 Centerpointe DR Ste 360, Lake Oswego, OR 97035  
(503)320-0510 jfaust@maulfoster.com

**Description:** Commercial: Water Filter Plant - Blue Heron Mill - Demolition and removal of metal and concrete structures

**Valuation:** **\$0.00**  
**Total Sq Feet:** **0.00**

## Inspection Requests:

Inspection Line: 503-496-1551

Fees	Amount
Building Plan Review (tax)	\$689.82
Demolition Commercial (tax)	\$1,061.26
Site Plan Review PLNG	\$86.00
State Surcharge - Building (tax)	\$127.35
<b>Total:</b>	<b>\$1,964.43</b>

Payments	Amt Paid
<b>Total Fees</b>	<b>\$1,964.43</b>
Credit Card	\$1,964.43
<b>Amount Due:</b>	<b>\$0.00</b>

Inspections:	
Inspection Type	IVR
Demolition Final	922
Demolition Final	922

Issued By: Kristi Brandt

March 14, 2022  
Date

Permit Holder

Date



CLACKAMAS

# WATER ENVIRONMENT SERVICES

GREGORY L. GEIST | DIRECTOR

Water Quality Protection  
Surface Water Management  
Wastewater Collection & Treatment

March 21, 2022

Ryan Webb  
Project Manager  
Confederated Tribes of Grand Ronde (Blue Heron)  
419 Main St. Oregon City, OR 97045

RE: Batch Discharge of captured storm water from detention basins to the sanitary sewer.

Dear Mr. Webb,

Water Environment Services ("WES") has reviewed the October 27, 2021 request from the Confederated Tribes of Grand Ronde ("Grand Ronde") to discharge settling pond water to WES' sanitary sewer from the former Blue Heron industrial site at 419 Main Street in Oregon City, Oregon. Approval is hereby given for up to five days of batch discharges of no more than 400,000 total gallons of water ("Discharge") performed in accordance with the terms of this letter. Grand Ronde must receive approval from WES prior to discharging additional volume due to precipitation during the pumping operation. The additional flow must meet the terms of this letter. It is our understanding based on the analytical results of water and sediment samples that the Discharge will include no pollutant concentrations in excess of WES' local limits for metals, oil and grease, and total toxic organics. These limits are referenced in the March 3<sup>rd</sup> email to Jacob Faust.

Grand Ronde agrees to comply with the follow terms related to the Discharge:

- Notify WES staff 72 hours prior to the planned Discharge via e-mail and phone to Jim Conrad.
- Do not discharge any wastewaters to the public sanitary sewer except those specifically described herein.
- Discharge only through the authorized manhole, identified as SSMH-002549, located near McLoughlin Boulevard and shown on the map in Attachment A.
- Limit the rate of discharge from the pumping operation to no more than 500 gallons per minute to prevent the risk of a hydraulic overload and possible sanitary sewer overflow.
- Complete the following best management practices required to mitigate the introduction of settled solids into WES' sewer system:
  - Floating booms must be attached to the suction inlet of the pump(s) to keep the intake out of the settled solids.
  - Water must pass through 1-5 micron filter-bags at some point to capture entrained solids before discharging to WES' system.
  - Visually monitor the discharge for turbidity and cease pumping operations if the discharge becomes turbid, indicating entrainment of settled solids.
- Allow WES staff to be present onsite at any time during the Discharge event to monitor and collect samples if needed,
- Suspend the Discharge immediately upon request of WES staff for any reason.

Serving Clackamas County, Gladstone, Happy Valley, Johnson City, Milwaukie, Oregon City, Rivergrove and West Linn

150 Beavercreek Road #430, Oregon City, OR 97045 | 503-742-4567 | [clackamas.us/wes](http://clackamas.us/wes)





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# WATER ENVIRONMENT SERVICES

GREGORY L. GEIST | DIRECTOR

Water Quality Protection  
Surface Water Management  
Wastewater Collection & Treatment

Within thirty days following Discharge, Grand Ronde agrees to submit a report to WES with the following information:

- Description of what was discharged
- The date(s) of discharge
- The volume of the discharge
- Analytical results of water and sediment samples (Samples have already been collected)
- A summary of the circumstances necessitating the discharge and final outcome of the project.

In the event that a violation of this Batch Discharge Authorization Letter, or any applicable provision of WES' Rules and Regulations, occurs during this Discharge event, WES may seek any remedy available in law or equity, including, but not limited to, all of the remedies, enforcement rights, or penalties provided in WES' Rules and Regulations.

In addition, Grand Ronde agrees to indemnify and defend WES and Clackamas County, and their officers, elected officials, agents and employees, from and against all claims, actions, liabilities, and expenses (including reasonable attorney fees) arising out of or based upon the Discharge or Grand Ronde's actions or omissions in performing under this Discharge Authorization Letter.

If Grand Ronde agrees to the terms above, please have an authorized party sign this letter below and return it to WES.

If you have any questions please do not hesitate to call Jim Conrad at (503) 557-2831 or (971) 288-7409. Or, email Jim at [jimcon@clackamas.us](mailto:jimcon@clackamas.us).

Sincerely,

[Greg Geist \(Mar 22, 2022 08:30 PDT\)](#)

Greg Geist  
WES Director

CC: Ron Wierenga, WES Environmental Services Manager

Confederated Tribes of Grand Ronde:

\_\_\_\_\_  
Authorized Signatory

\_\_\_\_\_  
Date

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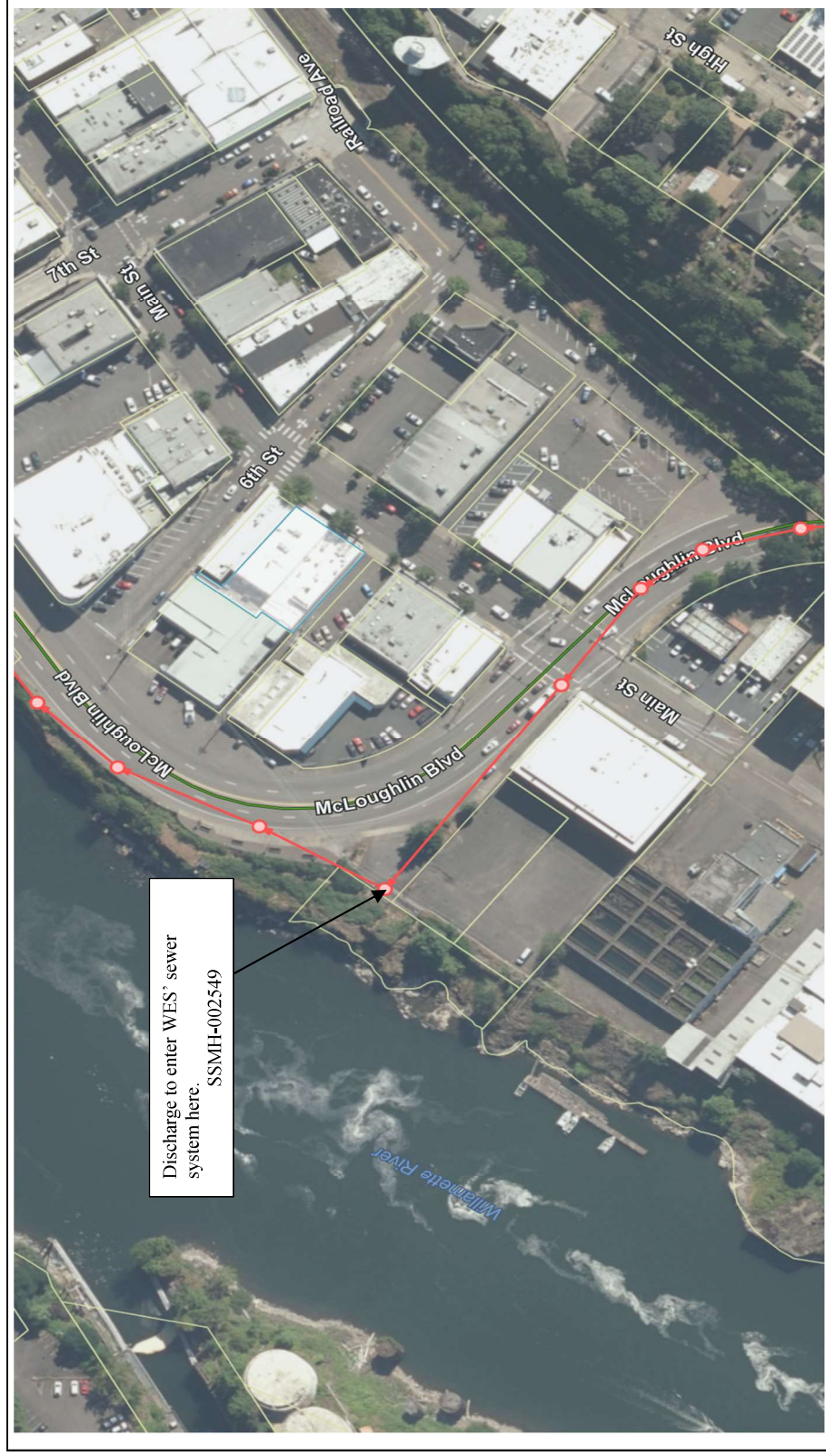
150 Beavercreek Road #430, Oregon City, OR 97045 | 503-742-4567 | [clackamas.us/wes](http://clackamas.us/wes)



## ATTACHMENT A

Confederated Tribes of Grand Ronde. (Blue Heron)

Discharge is permitted into Manhole SSMH-002549



## Attachment 2

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### Filter Plant Solids and Water Analytical



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**CERES Analytical Laboratory, Inc.**

4919 Windplay Dr, Suite 1, El Dorado Hills, CA 95762



January 17, 2022

Ceres ID: 14949

Apex Laboratories  
6700 S.W. Sandburg Street  
Tigard, OR 97223

The following report contains the results for the three soil samples received on January 12, 2022. These samples were analyzed for tetra through octa chlorinated dioxins and dibenzofurans by EPA method 1613. Rush 5-day turn-around time was provided for this work.

This work was authorized under Apex Laboratories' Project # A2A0427.

Sample results are reported on a dry weight basis.

Samples SED-COMP-W and SED-COMP-E were extracted at approximately five grams dry weight due to the low % solids and size of the extraction vessel.

#### **Continuing Calibration Verification (CCV) Requirements**

All associated calibration verification standard(s) (CCV) met the acceptance criteria.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin  
Director of Operations/CEO  
[jhedin@ceres-lab.com](mailto:jhedin@ceres-lab.com)

## Section I: Sample Inventory

<b><u>Ceres Sample ID:</u></b>	<b><u>Sample ID</u></b>	<b><u>Date Received</u></b>	<b><u>Collection Date &amp; Time</u></b>
14949-001	SED-COMP-W (A2A0427-03)	1/12/2022	1/11/2022 11:10
14949-002	SED-COMP-E (A2A0427-04)	1/12/2022	1/11/2022 11:00
14949-003	FM-COMP (A2A0427-05)	1/12/2022	1/11/2022 11:30

## **Section II: Data Summary**



## EPA Method 1613B

<b>Quality Assurance Sample</b> <b>Method Blank</b>  <b>Project ID:</b> A2A0427	<b>QC Batch #:</b> 2557 <b>Matrix:</b> Soil <b>Sample Size:</b> 10.00 g	<b>Date Received:</b> NA <b>Date Extracted:</b> 1/14/2022 <b>Date Analyzed:</b> 1/16/2022
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Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 0.411	0.172	0.500		13C-2378-TCDD	87.5	25-164	
12378-PeCDD	DL= 0.789	0.327	2.50		13C-12378-PeCDD	92.3	25-181	
123478-HxCDD	DL= 0.659	0.327	2.50		13C-123478-HxCDD	92.2	32-141	
123678-HxCDD	DL= 0.573	0.655	2.50		13C-123678-HxCDD	94.9	28-130	
123789-HxCDD	DL= 0.608	0.315	2.50		13C-1234678-HpCDD	96.7	23-140	
1234678-HpCDD	DL= 0.735	0.409	2.50		13C-OCDD	96.7	17-157	
OCDD	DL= 1.49	1.01	5.00		13C-2378-TCDF	82.5	24-169	
2,3,7,8-TCDF	DL= 0.497	0.0886	0.500		13C-12378-PeCDF	90.2	24-185	
12378-PeCDF	DL= 0.452	0.412	2.50		13C-23478-PeCDF	89.8	21-178	
23478-PeCDF	DL= 0.420	0.422	2.50		13C-123478-HxCDF	105	26-152	
123478-HxCDF	DL= 0.708	0.518	2.50		13C-123678-HxCDF	98.8	26-123	
123678-HxCDF	DL= 0.796	0.533	2.50		13C-234678-HxCDF	101	28-136	
234678-HxCDF	DL= 0.701	0.319	2.50		13C-123789-HxCDF	99.4	29-147	
123789-HxCDF	DL= 0.666	0.425	2.50		13C-1234678-HpCDF	99.3	28-143	
1234678-HpCDF	DL= 0.430	0.279	2.50		13C-1234789-HpCDF	101	26-138	
1234789-HpCDF	DL= 0.606	0.378	2.50					
OCDF	DL= 0.771	0.461	5.00					
<b>Totals</b>	<b>Conc. (pg/g)</b>	<b>EMPC</b>			<b>CRS</b>			
Total TCDD	DL= 0.411				37Cl4-2378-TCDD	94.4	35-197	
Total PeCDD	DL= 0.789							
Total HxCDD	DL= 0.659							
Total HpCDD	DL= 0.735							
Total TCDF	DL= 0.497							
Total PeCDF	DL= 0.452							
Total HxCDF	DL= 0.796							
Total HpCDF	DL= 0.606							

DL - Signifies Non-Detect (ND<) sample specific detection limit.  
 EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.  
 (a) - Lower control limit - Upper control limit  
 (b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

**Total Toxic Equivalency (TEQ min.) (b):** 0.0 pg/g

**Analyst:** JMH

**Reviewed by:** BS



## EPA Method 1613B

<b>Quality Assurance Sample</b> <b>Ongoing Precision and Recovery</b>  <b>Project ID:</b> A2A0427	<b>QC Batch #:</b> 2557 <b>Matrix:</b> Soil <b>Sample Size:</b> 10.00 g	<b>Date Received:</b> NA <b>Date Extracted:</b> 1/14/2022 <b>Date Analyzed:</b> 1/16/2022
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Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	11.1	6.7-15.8	13C-2378-TCDD	97.1	20-175
12378-PeCDD	55.1	35-71	13C-12378-PeCDD	95.0	21-227
123478-HxCDD	57.1	35-82	13C-123478-HxCDD	85.7	21-193
123678-HxCDD	53.3	38-67	13C-123678-HxCDD	85.6	25-163
123789-HxCDD	54.0	32-81	13C-1234678-HpCDD	94.7	26-166
1234678-HpCDD	57.5	35-70	13C-OCDD	109	13-198
OCDD	106	78-144	13C-2378-TCDF	99.1	22-152
2,3,7,8-TCDF	11.6	7.5-15.8	13C-12378-PeCDF	94.1	21-192
12378-PeCDF	55.1	40-67	13C-23478-PeCDF	98.4	13-328
23478-PeCDF	55.6	34-80	13C-123478-HxCDF	80.5	19-202
123478-HxCDF	52.1	36-67	13C-123678-HxCDF	80.6	21-159
123678-HxCDF	58.6	42-65	13C-234678-HxCDF	83.6	22-176
234678-HxCDF	57.5	35-78	13C-123789-HxCDF	88.1	17-205
123789-HxCDF	53.8	39-65	13C-1234678-HpCDF	92.5	21-158
1234678-HpCDF	58.0	41-61	13C-1234789-HpCDF	104	20-186
1234789-HpCDF	57.8	39-69			
OCDF	108	63-170			
			<b>CRS</b>		
			37Cl4-2378-TCDD	111	31-191
			(a) Limits based on method acceptance criteria.		

Analyst: JMH

Reviewed by: BS



## EPA Method 1613B

<b>Client Sample ID:</b> SED-COMP-W (A2A0427-03)		
<b>Project ID:</b> A2A0427	<b>Ceres Sample ID:</b> 14949-001	<b>Date Received:</b> 1/12/2022
<b>Date Collected:</b> 1/11/2022	<b>QC Batch #:</b> 2557	<b>Date Extracted:</b> 1/14/2022
<b>Time Collected:</b> 11:10 AM	<b>Matrix:</b> Soil	<b>Date Analyzed:</b> 1/16/2022
	<b>Sample Size:</b> 35.13 g	<b>% Solids:</b> 14.3

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 0.540	0.172	0.996		13C-2378-TCDD	97.0	25-164	
12378-PeCDD	DL= 0.980	0.327	4.98		13C-12378-PeCDD	100	25-181	
123478-HxCDD	DL= 1.20	0.327	4.98		13C-123478-HxCDD	90.7	32-141	
123678-HxCDD	3.88	0.655	4.98	J	13C-123678-HxCDD	92.8	28-130	
123789-HxCDD	DL= 1.16	0.315	4.98		13C-1234678-HpCDD	86.3	23-140	
1234678-HpCDD	71.4	0.409	4.98		13C-OCDD	75.9	17-157	
OCDD	527	1.01	9.96		13C-2378-TCDF	87.0	24-169	
2,3,7,8-TCDF	2.73	0.0886	0.996		13C-12378-PeCDF	98.6	24-185	
12378-PeCDF	DL= 0.999	0.412	4.98		13C-23478-PeCDF	98.1	21-178	
23478-PeCDF	DL= 0.912	0.422	4.98		13C-123478-HxCDF	96.3	26-152	
123478-HxCDF	DL= 0.995	0.518	4.98		13C-123678-HxCDF	94.4	26-123	
123678-HxCDF	DL= 1.07	0.533	4.98		13C-234678-HxCDF	93.3	28-136	
234678-HxCDF	DL= 0.939	0.319	4.98		13C-123789-HxCDF	93.7	29-147	
123789-HxCDF	DL= 0.945	0.425	4.98		13C-1234678-HpCDF	82.6	28-143	
1234678-HpCDF	15.7	0.279	4.98		13C-1234789-HpCDF	101	26-138	
1234789-HpCDF	DL= 1.79	0.378	4.98					
OCDF	48.4	0.461	9.96					
<b>Totals</b>	<b>Conc. (pg/g)</b>	<b>EMPC</b>			<b>CRS</b>			
Total TCDD	DL= 0.540				37CI4-2378-TCDD	117	35-197	
Total PeCDD	DL= 0.980							
Total HxCDD	28.8							
Total HpCDD	140							
Total TCDF	7.97							
Total PeCDF	7.88							
Total HxCDF	21.2							
Total HpCDF	43.1							

DL - Signifies Non-Detect (ND&lt;) sample specific detection limit.

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b): 1.69 pg/g

Analyst: JMH

Reviewed by: BS





## EPA Method 1613B

<b>Client Sample ID:</b> SED-COMP-E (A2A0427-04)		
<b>Project ID:</b> A2A0427	<b>Ceres Sample ID:</b> 14949-002	<b>Date Received:</b> 1/12/2022
<b>Date Collected:</b> 1/11/2022	<b>QC Batch #:</b> 2557	<b>Date Extracted:</b> 1/14/2022
<b>Time Collected:</b> 11:00 AM	<b>Matrix:</b> Soil	<b>Date Analyzed:</b> 1/16/2022
	<b>Sample Size:</b> 35.52 g	<b>% Solids:</b> 13.7

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 0.658	0.172	1.03		13C-2378-TCDD	97.4	25-164	
12378-PeCDD	DL= 0.891	0.327	5.14		13C-12378-PeCDD	103	25-181	
123478-HxCDD	DL= 1.12	0.327	5.14		13C-123478-HxCDD	91.6	32-141	
123678-HxCDD	1.92	0.655	5.14		13C-123678-HxCDD	90.5	28-130	
123789-HxCDD	DL= 1.08	0.315	5.14		13C-1234678-HpCDD	88.4	23-140	
1234678-HpCDD	45.9	0.409	5.14		13C-OCDD	75.2	17-157	
OCDD	363	1.01	10.3		13C-2378-TCDF	91.4	24-169	
2,3,7,8-TCDF	3.50	0.0886	1.03		13C-12378-PeCDF	99.4	24-185	
12378-PeCDF	DL= 0.686	0.412	5.14		13C-23478-PeCDF	101	21-178	
23478-PeCDF	DL= 0.614	0.422	5.14		13C-123478-HxCDF	100	26-152	
123478-HxCDF	DL= 0.930	0.518	5.14		13C-123678-HxCDF	89.7	26-123	
123678-HxCDF	DL= 1.09	0.533	5.14		13C-234678-HxCDF	95.1	28-136	
234678-HxCDF	DL= 0.946	0.319	5.14		13C-123789-HxCDF	96.3	29-147	
123789-HxCDF	DL= 0.887	0.425	5.14		13C-1234678-HpCDF	83.3	28-143	
1234678-HpCDF	9.54	0.279	5.14		13C-1234789-HpCDF	101	26-138	
1234789-HpCDF	DL= 1.13	0.378	5.14					
OCDF	33.5	0.461	10.3					
<b>Totals</b>	<b>Conc. (pg/g)</b>	<b>EMPC</b>			<b>CRS</b>			
Total TCDD	DL= 0.658				37Cl4-2378-TCDD	118	35-197	
Total PeCDD	DL= 0.891							
Total HxCDD	15.7							DL - Signifies Non-Detect (ND<) sample specific detection limit.
Total HpCDD	89.7							EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
Total TCDF	19.4							(a) - Lower control limit - Upper control limit
Total PeCDF	4.42							(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.
Total HxCDF	11.5							
Total HpCDF	27.3							

**Total Toxic Equivalency (TEQ min.) (b):** 1.22 pg/g

Analyst: JMH

Reviewed by: BS



## EPA Method 1613B

<b>Client Sample ID:</b> FM-COMP (A2A0427-05)		
<b>Project ID:</b> A2A0427	<b>Ceres Sample ID:</b> 14949-003	<b>Date Received:</b> 1/12/2022
<b>Date Collected:</b> 1/11/2022	<b>QC Batch #:</b> 2557	<b>Date Extracted:</b> 1/14/2022
<b>Time Collected:</b> 11:30 AM	<b>Matrix:</b> Soil	<b>Date Analyzed:</b> 1/16/2022
	<b>Sample Size:</b> 12.36 g	<b>% Solids:</b> 83.6

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 0.196	0.172	0.484		13C-2378-TCDD	97.4	25-164	
12378-PeCDD	DL= 0.358	0.327	2.42		13C-12378-PeCDD	102	25-181	
123478-HxCDD	DL= 0.390	0.327	2.42		13C-123478-HxCDD	96.1	32-141	
123678-HxCDD	DL= 0.343	0.655	2.42		13C-123678-HxCDD	81.7	28-130	
123789-HxCDD	DL= 0.364	0.315	2.42		13C-1234678-HpCDD	85.0	23-140	
1234678-HpCDD	16.3	0.409	2.42		13C-OCDD	74.0	17-157	
OCDD	104	1.01	4.84		13C-2378-TCDF	89.3	24-169	
2,3,7,8-TCDF	6.94	0.0886	0.484		13C-12378-PeCDF	99.9	24-185	
12378-PeCDF	DL= 0.305	0.412	2.42		13C-23478-PeCDF	100	21-178	
23478-PeCDF	DL= 0.286	0.422	2.42		13C-123478-HxCDF	97.9	26-152	
123478-HxCDF	DL= 0.238	0.518	2.42		13C-123678-HxCDF	86.6	26-123	
123678-HxCDF	DL= 0.264	0.533	2.42		13C-234678-HxCDF	95.4	28-136	
234678-HxCDF	DL= 0.216	0.319	2.42		13C-123789-HxCDF	92.3	29-147	
123789-HxCDF	DL= 0.228	0.425	2.42		13C-1234678-HpCDF	75.2	28-143	
1234678-HpCDF	3.74	0.279	2.42		13C-1234789-HpCDF	93.7	26-138	
1234789-HpCDF	DL= 0.340	0.378	2.42					
OCDF	10.0	0.461	4.84					
<b>Totals</b>	<b>Conc. (pg/g)</b>	<b>EMPC</b>			<b>CRS</b>			
Total TCDD	3.00				37Cl4-2378-TCDD	119	35-197	
Total PeCDD	DL= 0.358							
Total HxCDD	5.31							DL - Signifies Non-Detect (ND<) sample specific detection limit.
Total HpCDD	29.8							EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
Total TCDF	44.5							(a) - Lower control limit - Upper control limit
Total PeCDF	10.8							(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.
Total HxCDF	4.15							
Total HpCDF	8.57							

**Total Toxic Equivalency (TEQ min.) (b):** 0.929 pg/g

Analyst: JMH

Reviewed by: BS

## **Section VI: Sample Tracking**

## SUBCONTRACT ORDER

Apex Laboratories

A2A0427

ET

SENDING LABORATORY:

Apex Laboratories  
6700 S.W. Sandburg Street  
Tigard, OR 97223  
Phone: (503) 718-2323  
Fax: (503) 336-0745  
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Ceres Analytical Laboratory, Inc  
4919 Windplay Drive, Suite 1  
El Dorado Hills, CA 95762  
Phone : (916) 932-5011  
Fax: -9

Sample Name: SED-COMP-W Soil Sampled: 01/11/22 11:10 (A2A0427-03)

Analysis	Due	Expires	Comments
1613 Dioxin (Sub)	01/18/22 17:00	01/11/23 11:10	
Containers Supplied: (B)4 oz Glass Jar			

Sample Name: SED-COMP-E Soil Sampled: 01/11/22 11:00 (A2A0427-04)

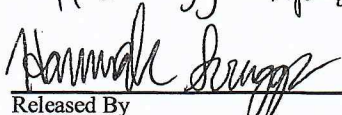
Analysis	Due	Expires	Comments
1613 Dioxin (Sub)	01/17/22 17:00	01/11/23 11:00	
Containers Supplied: (B)4 oz Glass Jar			

Sample Name: FM-COMP Soil Sampled: 01/11/22 11:30 (A2A0427-05)

Analysis	Due	Expires	Comments
1613 Dioxin (Sub)	01/18/22 17:00	01/11/23 11:30	
Containers Supplied: (B)4 oz Glass Jar			

5 day TAT

H. Scruggs - Apex



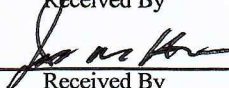
Released By

UPS (Shipper)

Date

1/11/22

Received By



Received By

Date

1/12/22

Date

10:02

Sample Receipt Check List    Logged by:   *JS*   (initials)

Ceres ID: <u>14949</u>	Date/Time: <u>1/12/22 10:02</u>
Client Project ID: <u>A2A0427</u>	Received Temp: <u>2.3</u> °C Acceptable: <u>Y</u> / N
Chain of Custody Relinquished by signed?	<u>Y</u> / N
Chain of Custody Received by signed?	<u>Y</u> / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	<u>NA</u>
Unlabeled / Illegible Samples	<u>Y</u> / N
Proper Containers:	<u>Y</u> / N
Preservation Acceptable (Chemical or <u>Temperature</u> )?	<u>Y</u> / N
Drinking Water, Sodium Thiosulfate present?	Y / N / <u>NA</u>
Residual Cl?	Y / N <u>NA</u>
Aqueous sample pH: <u>NA</u>	
List COC discrepancies:	
<i>JS</i>	
List Damaged Samples:	
<i>JS</i>	

## Section VII: Qualifiers/Abbreviations

<b>J</b>	Concentration found below the lower quantitation limit but greater than zero.
<b>B</b>	Analyte present in the associated Method Blank.
<b>E</b>	Concentration found exceeds the Calibration range of the HRGC/HRMS.
<b>D</b>	This analyte concentration was calculated from a dilution.
<b>X</b>	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
<b>H</b>	Recovery limits exceeded. See cover letter.
<b>*</b>	Results taken from dilution.
<b>I</b>	Interference. See cover letter.
<b>Conc.</b>	Concentration Found
<b>DL</b>	Calculated Detection Limit
<b>ND</b>	Non-Detect
<b>% Rec.</b>	Percent Recovery



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Tuesday, January 18, 2022

Jacob Faust  
Maul Foster & Alongi, INC.  
3140 NE Broadway Street  
Portland, OR 97232

RE: A2A0427 - Blue Heron Paper Mill - 0496.02

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2A0427, which was received by the laboratory on 1/11/2022 at 12:35:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

---

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

3.9 degC

Cooler #2

5.5 degC

---

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

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Apex Laboratories

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2A0427 - 01 18 22 1438**

### ANALYTICAL REPORT FOR SAMPLES

#### SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-COMP-W	A2A0427-01	Water	01/11/22 10:30	01/11/22 12:35
W-COMP-E	A2A0427-02	Water	01/11/22 10:45	01/11/22 12:35
SED-COMP-W	A2A0427-03	Soil	01/11/22 11:10	01/11/22 12:35
SED-COMP-E	A2A0427-04	Soil	01/11/22 11:00	01/11/22 12:35
FM-COMP	A2A0427-05	Soil	01/11/22 11:30	01/11/22 12:35

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## ANALYTICAL SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>W-COMP-W (A2A0427-01)</b>				<b>Matrix: Water</b>		<b>Batch: 22A0321</b>		
Benzene	ND	---	0.250	ug/L	1	01/11/22 18:11	EPA 624.1	
Bromodichloromethane	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Bromoform	ND	---	2.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Bromomethane	ND	---	5.00	ug/L	1	01/11/22 18:11	EPA 624.1	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	01/11/22 18:11	EPA 624.1	
Carbon tetrachloride	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Chlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Chloroethane	ND	---	5.00	ug/L	1	01/11/22 18:11	EPA 624.1	
2-Chloroethyl vinyl ether	ND	---	10.0	ug/L	1	01/11/22 18:11	EPA 624.1	
Chloroform	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Chloromethane	ND	---	5.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Dibromochloromethane	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
1,1-Dichloroethane	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
1,1-Dichloroethene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
trans-1,2-Dichloroethene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Ethylbenzene	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Methylene chloride	ND	---	10.0	ug/L	1	01/11/22 18:11	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Styrene	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
Tetrachloroethene (PCE)	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Toluene	ND	---	1.00	ug/L	1	01/11/22 18:11	EPA 624.1	
1,1,1-Trichloroethane	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Trichloroethene (TCE)	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	01/11/22 18:11	EPA 624.1	

Apex Laboratories

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062Maul Foster & Alongi, INC.3140 NE Broadway Street  
Portland, OR 97232Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

## ANALYTICAL SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>W-COMP-W (A2A0427-01)</b>		<b>Matrix: Water</b>			<b>Batch: 22A0321</b>			
Vinyl chloride	ND	---	0.500	ug/L	1	01/11/22 18:11	EPA 624.1	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	<i>100 %</i>	<i>Limits:</i>	<i>80-120 %</i>	<i>1</i>	<i>01/11/22 18:11</i>	<i>EPA 624.1</i>
<i>Toluene-d8 (Surr)</i>			<i>104 %</i>		<i>85-120 %</i>	<i>1</i>	<i>01/11/22 18:11</i>	<i>EPA 624.1</i>
<i>4-Bromofluorobenzene (Surr)</i>			<i>104 %</i>		<i>75-120 %</i>	<i>1</i>	<i>01/11/22 18:11</i>	<i>EPA 624.1</i>
<b>W-COMP-E (A2A0427-02)</b>		<b>Matrix: Water</b>			<b>Batch: 22A0321</b>			
Benzene	ND	---	0.250	ug/L	1	01/11/22 18:38	EPA 624.1	
Bromodichloromethane	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Bromoform	ND	---	2.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Bromomethane	ND	---	5.00	ug/L	1	01/11/22 18:38	EPA 624.1	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	01/11/22 18:38	EPA 624.1	
Carbon tetrachloride	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Chlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
Chloroethane	ND	---	5.00	ug/L	1	01/11/22 18:38	EPA 624.1	
2-Chloroethyl vinyl ether	ND	---	10.0	ug/L	1	01/11/22 18:38	EPA 624.1	
Chloroform	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Chloromethane	ND	---	5.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Dibromochloromethane	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
1,1-Dichloroethane	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
1,1-Dichloroethene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
trans-1,2-Dichloroethene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Ethylbenzene	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
Methylene chloride	ND	---	10.0	ug/L	1	01/11/22 18:38	EPA 624.1	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
Styrene	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Tetrachloroethene (PCE)	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	

Apex Laboratories

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

## ANALYTICAL SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>W-COMP-E (A2A0427-02)</b>		<b>Matrix: Water</b>			<b>Batch: 22A0321</b>			
Toluene	ND	---	1.00	ug/L	1	01/11/22 18:38	EPA 624.1	
1,1,1-Trichloroethane	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
Trichloroethene (TCE)	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	01/11/22 18:38	EPA 624.1	
Vinyl chloride	ND	---	0.500	ug/L	1	01/11/22 18:38	EPA 624.1	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	101 %	<i>Limits:</i>	80-120 %	1	01/11/22 18:38	EPA 624.1
<i>Toluene-d8 (Surr)</i>			105 %		85-120 %	1	01/11/22 18:38	EPA 624.1
<i>4-Bromofluorobenzene (Surr)</i>			102 %		75-120 %	1	01/11/22 18:38	EPA 624.1

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062Maul Foster & Alongi, INC.3140 NE Broadway Street  
Portland, OR 97232Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

## ANALYTICAL SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-W (A2A0427-03RE2)</b>		<b>Matrix: Soil</b>		<b>Batch: 22A0488</b>		<b>C-07</b>		
Aroclor 1016	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Aroclor 1221	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Aroclor 1232	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Aroclor 1242	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Aroclor 1248	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Aroclor 1254	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Aroclor 1260	ND	35.7	71.4	ug/kg dry	1	01/14/22 17:34	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		Recovery: 43 %		Limits: 60-125 %	1	01/14/22 17:34	EPA 8082A	S-03
<b>SED-COMP-E (A2A0427-04RE2)</b>		<b>Matrix: Soil</b>		<b>Batch: 22A0488</b>		<b>C-07</b>		
Aroclor 1016	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Aroclor 1221	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Aroclor 1232	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Aroclor 1242	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Aroclor 1248	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Aroclor 1254	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Aroclor 1260	ND	42.4	84.9	ug/kg dry	1	01/14/22 18:45	EPA 8082A	Q-42
Surrogate: Decachlorobiphenyl (Surr)		Recovery: 51 %		Limits: 60-125 %	1	01/14/22 18:45	EPA 8082A	S-03
<b>FM-COMP (A2A0427-05)</b>		<b>Matrix: Soil</b>		<b>Batch: 22A0384</b>		<b>C-07</b>		
Aroclor 1016	ND	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
Aroclor 1221	ND	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
Aroclor 1232	ND	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
Aroclor 1242	ND	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
Aroclor 1248	ND	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
<b>Aroclor 1254</b>	<b>158</b>	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
Aroclor 1260	ND	5.88	11.8	ug/kg dry	1	01/12/22 19:25	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		Recovery: 75 %		Limits: 60-125 %	1	01/12/22 19:25	EPA 8082A	

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SED-COMP-W (A2A0427-03)				Matrix: Soil				
Batch: 22A0389								
Arsenic	12.9	3.58	7.16	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
Barium	170	3.58	7.16	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
Cadmium	ND	0.716	1.43	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
Chromium	42.1	3.58	7.16	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
Lead	11.3	0.716	1.43	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
Mercury	ND	0.287	0.573	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
Silver	ND	0.716	1.43	mg/kg dry	10	01/12/22 23:27	EPA 6020B	
SED-COMP-W (A2A0427-03RE1)				Matrix: Soil				
Batch: 22A0389								
Selenium	ND	3.58	7.16	mg/kg dry	10	01/13/22 13:45	EPA 6020B	
SED-COMP-E (A2A0427-04)				Matrix: Soil				
Batch: 22A0389								
Arsenic	14.9	4.91	9.82	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
Barium	183	4.91	9.82	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
Cadmium	ND	0.982	1.96	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
Chromium	44.5	4.91	9.82	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
Lead	13.0	0.982	1.96	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
Mercury	ND	0.393	0.786	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
Silver	ND	0.982	1.96	mg/kg dry	10	01/12/22 23:46	EPA 6020B	
SED-COMP-E (A2A0427-04RE1)				Matrix: Soil				
Batch: 22A0389								
Selenium	ND	4.91	9.82	mg/kg dry	10	01/13/22 13:55	EPA 6020B	
FM-COMP (A2A0427-05)				Matrix: Soil				
Batch: 22A0389								
Arsenic	5.12	0.626	1.25	mg/kg dry	10	01/12/22 23:55	EPA 6020B	
Barium	133	0.626	1.25	mg/kg dry	10	01/12/22 23:55	EPA 6020B	
Cadmium	0.472	0.125	0.250	mg/kg dry	10	01/12/22 23:55	EPA 6020B	
Chromium	8.22	0.626	1.25	mg/kg dry	10	01/12/22 23:55	EPA 6020B	
Lead	5.86	0.125	0.250	mg/kg dry	10	01/12/22 23:55	EPA 6020B	
Mercury	ND	0.0501	0.100	mg/kg dry	10	01/12/22 23:55	EPA 6020B	

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Philip Nerenberg, Lab Director



# ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2A0427 - 01 18 22 1438**

## ANALYTICAL SAMPLE RESULTS

### Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
FM-COMP (A2A0427-05)				Matrix: Soil				
Silver	ND	0.125	0.250	mg/kg dry	10	01/12/22 23:55	EPA 6020B	
FM-COMP (A2A0427-05RE1)				Matrix: Soil				
Batch: 22A0389								
Selenium	1.58	0.626	1.25	mg/kg dry	10	01/13/22 14:04	EPA 6020B	

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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W-COMP-W (A2A0427-01)				Matrix: Water				
Batch: 22A0378								
Biochemical Oxygen Demand	ND	---	3.16	mg/L	1	01/17/22 14:00	SM 5210 B	
W-COMP-E (A2A0427-02)				Matrix: Water				
Batch: 22A0378								
Biochemical Oxygen Demand	ND	---	3.16	mg/L	1	01/17/22 14:00	SM 5210 B	

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Project Manager: **Jacob Faust**

**Report ID:**

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## ANALYTICAL SAMPLE RESULTS

### Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W-COMP-W (A2A0427-01)				Matrix: Water				
Batch: 22A0443								
Total Suspended Solids	ND	---	5.00	mg/L	1	01/13/22 10:41	SM 2540 D	SO-1
W-COMP-E (A2A0427-02)				Matrix: Water				
Batch: 22A0443								
Total Suspended Solids	ND	---	5.00	mg/L	1	01/13/22 10:41	SM 2540 D	SO-1

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Project Number: 0496.02

Project Manager: Jacob Faust

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A2A0427 - 01 18 22 1438

ANALYTICAL SAMPLE RESULTS

Conventional Chemistry Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
W-COMP-W (A2A0427-01)				Matrix: Water				
Batch: 22A0333								
pH	7.7	---		pH Units	1	01/11/22 15:47	SM 4500-H+ B	H-12
pH Temperature (deg C)	21.3	---		pH Units	1	01/11/22 15:47	SM 4500-H+ B	H-12
W-COMP-E (A2A0427-02)				Matrix: Water				
Batch: 22A0333								
pH	7.3	---		pH Units	1	01/11/22 15:51	SM 4500-H+ B	H-12
pH Temperature (deg C)	21.1	---		pH Units	1	01/11/22 15:51	SM 4500-H+ B	H-12

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**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438****ANALYTICAL SAMPLE RESULTS****Percent Dry Weight**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-W (A2A0427-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 22A0415</b>		
% Solids	13.6	---	1.00	%	1	01/13/22 07:53	EPA 8000D	
<b>SED-COMP-E (A2A0427-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 22A0415</b>		
% Solids	11.1	---	1.00	%	1	01/13/22 07:53	EPA 8000D	
<b>FM-COMP (A2A0427-05)</b>				<b>Matrix: Soil</b>		<b>Batch: 22A0415</b>		
% Solids	82.2	---	1.00	%	1	01/13/22 07:53	EPA 8000D	

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503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438****QUALITY CONTROL (QC) SAMPLE RESULTS****Purgeable Organic Compounds by EPA 624.1**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0321 - EPA 5030B						Water						
Blank (22A0321-BLK1)			Prepared: 01/11/22 07:30    Analyzed: 01/11/22 10:36									
EPA 624.1												
Acetone	ND	---	20.0	ug/L	1	---	---	---	---	---	---	
Benzene	ND	---	0.250	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Chloroethyl vinyl ether	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	---	10.0	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0321 - EPA 5030B						Water						
Blank (22A0321-BLK1)			Prepared: 01/11/22 07:30		Analyzed: 01/11/22 10:36							
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Acrolein	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	0.900	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 99 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		104 %		85-120 %		"						
4-Bromofluorobenzene (Surr)		104 %		75-120 %		"						
LCS (22A0321-BS1)												
Prepared: 01/11/22 07:30 Analyzed: 01/11/22 09:33												
EPA 624.1												
Acetone	68.5	---	20.0	ug/L	1	40.0	---	171	39-160%	---	---	Q-29
Benzene	19.9	---	0.250	ug/L	1	20.0	---	99	65-135%	---	---	
Bromodichloromethane	21.7	---	1.00	ug/L	1	20.0	---	109	65-135%	---	---	
Bromoform	19.4	---	2.00	ug/L	1	20.0	---	97	70-130%	---	---	
Bromomethane	23.6	---	5.00	ug/L	1	20.0	---	118	15-185%	---	---	
2-Butanone (MEK)	56.8	---	10.0	ug/L	1	40.0	---	142	56-143%	---	---	
Carbon tetrachloride	20.3	---	1.00	ug/L	1	20.0	---	102	70-130%	---	---	
Chlorobenzene	19.1	---	0.500	ug/L	1	20.0	---	95	65-135%	---	---	
Chloroethane	22.1	---	5.00	ug/L	1	20.0	---	111	40-160%	---	---	
2-Chloroethyl vinyl ether	20.5	---	10.0	ug/L	1	20.0	---	102	1-225%	---	---	
Chloroform	20.8	---	1.00	ug/L	1	20.0	---	104	70-135%	---	---	
Chloromethane	21.2	---	5.00	ug/L	1	20.0	---	106	1-205%	---	---	
Dibromochloromethane	23.2	---	1.00	ug/L	1	20.0	---	116	70-135%	---	---	
1,2-Dichlorobenzene	20.7	---	0.500	ug/L	1	20.0	---	104	65-135%	---	---	
1,3-Dichlorobenzene	21.1	---	0.500	ug/L	1	20.0	---	106	70-130%	---	---	
1,4-Dichlorobenzene	20.4	---	0.500	ug/L	1	20.0	---	102	65-135%	---	---	
Dichlorodifluoromethane	22.9	---	1.00	ug/L	1	20.0	---	114	32-152%	---	---	
1,1-Dichloroethane	21.2	---	0.500	ug/L	1	20.0	---	106	70-130%	---	---	
1,2-Dichloroethane (EDC)	20.8	---	0.500	ug/L	1	20.0	---	104	70-130%	---	---	
1,1-Dichloroethene	23.2	---	0.500	ug/L	1	20.0	---	116	50-150%	---	---	
trans-1,2-Dichloroethene	22.9	---	0.500	ug/L	1	20.0	---	114	70-130%	---	---	
1,2-Dichloropropane	21.0	---	0.500	ug/L	1	20.0	---	105	35-165%	---	---	
cis-1,3-Dichloropropene	19.5	---	1.00	ug/L	1	20.0	---	98	25-175%	---	---	

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## ANALYTICAL REPORT

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**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0321 - EPA 5030B						Water						
LCS (22A0321-BS1)			Prepared: 01/11/22 07:30		Analyzed: 01/11/22 09:33							
trans-1,3-Dichloropropene	16.7	---	1.00	ug/L	1	20.0	---	84	50-150%	---	---	Q-29
Ethylbenzene	20.2	---	0.500	ug/L	1	20.0	---	101	60-140%	---	---	
Methylene chloride	19.9	---	10.0	ug/L	1	20.0	---	99	60-140%	---	---	
1,1,2,2-Tetrachloroethane	20.5	---	0.500	ug/L	1	20.0	---	103	60-140%	---	---	
Styrene	20.4	---	1.00	ug/L	1	20.0	---	102	78-123%	---	---	
Tetrachloroethene (PCE)	20.6	---	0.500	ug/L	1	20.0	---	103	70-130%	---	---	
Toluene	19.7	---	1.00	ug/L	1	20.0	---	99	70-130%	---	---	
1,1,1-Trichloroethane	20.0	---	0.500	ug/L	1	20.0	---	100	70-130%	---	---	
1,1,2-Trichloroethane	20.6	---	0.500	ug/L	1	20.0	---	103	70-130%	---	---	
Trichloroethene (TCE)	21.4	---	0.500	ug/L	1	20.0	---	107	65-135%	---	---	
Trichlorofluoromethane	27.5	---	2.00	ug/L	1	20.0	---	138	50-150%	---	---	
Vinyl chloride	23.9	---	0.500	ug/L	1	20.0	---	119	5-195%	---	---	
Acrolein	38.5	---	5.00	ug/L	1	20.0	---	193	60-140%	---	---	
Acrylonitrile	20.7	---	2.00	ug/L	1	20.0	---	103	60-140%	---	---	
Xylenes, total	60.3	---	0.900	ug/L	1	60.0	---	101	79-121%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		85-120 %		"						
4-Bromofluorobenzene (Surr)		97 %		75-120 %		"						

**Duplicate (22A0321-DUP1)**

Prepared: 01/11/22 08:35 Analyzed: 01/11/22 12:23

**QC Source Sample: Non-SDG (A2A0337-01)**

Acetone	ND	---	20.0	ug/L	1	---	ND	---	---	---	30%
Benzene	ND	---	0.250	ug/L	1	---	ND	---	---	---	61%
Bromodichloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	56%
Bromoform	ND	---	2.00	ug/L	1	---	ND	---	---	---	42%
Bromomethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	61%
2-Butanone (MEK)	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	ND	---	---	---	41%
Chlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	53%
Chloroethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	78%
2-Chloroethyl vinyl ether	ND	---	10.0	ug/L	1	---	ND	---	---	---	71%
Chloroform	ND	---	1.00	ug/L	1	---	ND	---	---	---	54%
Chloromethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	60%
Dibromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	50%

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0321 - EPA 5030B						Water						
Duplicate (22A0321-DUP1)			Prepared: 01/11/22 08:35    Analyzed: 01/11/22 12:23									
QC Source Sample: Non-SDG (A2A0337-01)												
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	57%	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	43%	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	57%	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	40%	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	ND	---	---	---	49%	
1,1-Dichloroethene	ND	---	0.500	ug/L	1	---	ND	---	---	---	32%	
trans-1,2-Dichloroethene	ND	---	0.500	ug/L	1	---	ND	---	---	---	45%	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	ND	---	---	---	55%	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	58%	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	86%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	63%	
Methylene chloride	ND	---	10.0	ug/L	1	---	ND	---	---	---	28%	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	61%	
Styrene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	1.31	---	0.500	ug/L	1	---	1.23	---	---	6	39%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	41%	
1,1,1-Trichloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	36%	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	45%	
Trichloroethene (TCE)	1.32	---	0.500	ug/L	1	---	1.36	---	---	3	48%	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	ND	---	---	---	84%	
Vinyl chloride	ND	---	0.500	ug/L	1	---	ND	---	---	---	66%	
Acrolein	ND	---	5.00	ug/L	1	---	ND	---	---	---	60%	
Acrylonitrile	ND	---	2.00	ug/L	1	---	ND	---	---	---	60%	
Xylenes, total	ND	---	0.900	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		103 %		85-120 %		"						
4-Bromofluorobenzene (Surr)		104 %		75-120 %		"						

**Matrix Spike (22A0321-MS1)**

Prepared: 01/11/22 08:35 Analyzed: 01/11/22 14:10

**QC Source Sample: Non-SDG (A2A0342-02)****EPA 624.1**

Acetone	42.2	---	20.0	ug/L	1	40.0	ND	106	39-160%	---	---	Q-29
---------	------	-----	------	------	---	------	----	-----	---------	-----	-----	------

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0321 - EPA 5030B						Water						
Matrix Spike (22A0321-MS1)			Prepared: 01/11/22 08:35		Analyzed: 01/11/22 14:10							
QC Source Sample: Non-SDG (A2A0342-02)												
Benzene	21.5	---	0.250	ug/L	1	20.0	ND	108	37-151%	---	---	
Bromodichloromethane	23.1	---	1.00	ug/L	1	20.0	ND	116	35-155%	---	---	
Bromoform	19.2	---	2.00	ug/L	1	20.0	ND	96	45-169%	---	---	
Bromomethane	25.7	---	5.00	ug/L	1	20.0	ND	128	1-242%	---	---	
2-Butanone (MEK)	41.3	---	10.0	ug/L	1	40.0	ND	103	56-143%	---	---	
Carbon tetrachloride	20.5	---	1.00	ug/L	1	20.0	ND	103	70-140%	---	---	
Chlorobenzene	20.4	---	0.500	ug/L	1	20.0	ND	102	37-160%	---	---	
Chloroethane	26.2	---	5.00	ug/L	1	20.0	ND	131	14-230%	---	---	
2-Chloroethyl vinyl ether	ND	---	10.0	ug/L	1	20.0	ND		1-305%	---	---	Q-02
Chloroform	26.6	---	1.00	ug/L	1	20.0	4.44	111	51-138%	---	---	
Chloromethane	24.8	---	5.00	ug/L	1	20.0	ND	124	1-273%	---	---	
Dibromochloromethane	23.7	---	1.00	ug/L	1	20.0	ND	119	53-149%	---	---	
1,2-Dichlorobenzene	21.4	---	0.500	ug/L	1	20.0	ND	107	18-190%	---	---	
1,3-Dichlorobenzene	21.0	---	0.500	ug/L	1	20.0	ND	105	59-156%	---	---	
1,4-Dichlorobenzene	20.8	---	0.500	ug/L	1	20.0	ND	104	18-190%	---	---	
Dichlorodifluoromethane	24.8	---	1.00	ug/L	1	20.0	ND	124	32-152%	---	---	
1,1-Dichloroethane	22.9	---	0.500	ug/L	1	20.0	ND	114	59-155%	---	---	
1,2-Dichloroethane (EDC)	22.5	---	0.500	ug/L	1	20.0	ND	112	49-155%	---	---	
1,1-Dichloroethene	24.8	---	0.500	ug/L	1	20.0	ND	124	1-234%	---	---	
trans-1,2-Dichloroethene	24.8	---	0.500	ug/L	1	20.0	ND	124	54-156%	---	---	
1,2-Dichloropropane	22.4	---	0.500	ug/L	1	20.0	ND	112	1-210%	---	---	
cis-1,3-Dichloropropene	19.4	---	1.00	ug/L	1	20.0	ND	97	1-227%	---	---	
trans-1,3-Dichloropropene	16.1	---	1.00	ug/L	1	20.0	ND	80	17-183%	---	---	
Ethylbenzene	21.7	---	0.500	ug/L	1	20.0	ND	108	37-162%	---	---	
Methylene chloride	21.3	---	10.0	ug/L	1	20.0	ND	106	1-221%	---	---	
1,1,2,2-Tetrachloroethane	22.6	---	0.500	ug/L	1	20.0	ND	113	46-157%	---	---	
Styrene	2.32	---	1.00	ug/L	1	20.0	ND	12	78-123%	---	---	Q-01
Tetrachloroethene (PCE)	21.5	---	0.500	ug/L	1	20.0	ND	108	64-148%	---	---	
Toluene	21.2	---	1.00	ug/L	1	20.0	ND	106	47-150%	---	---	
1,1,1-Trichloroethane	21.0	---	0.500	ug/L	1	20.0	ND	105	52-162%	---	---	
1,1,2-Trichloroethane	21.9	---	0.500	ug/L	1	20.0	ND	110	52-150%	---	---	
Trichloroethene (TCE)	22.8	---	0.500	ug/L	1	20.0	ND	114	70-157%	---	---	
Trichlorofluoromethane	30.9	---	2.00	ug/L	1	20.0	ND	154	17-181%	---	---	

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Philip Nerenberg, Lab Director

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Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Purgeable Organic Compounds by EPA 624.1

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0321 - EPA 5030B						Water						
Matrix Spike (22A0321-MS1)			Prepared: 01/11/22 08:35		Analyzed: 01/11/22 14:10							
QC Source Sample: Non-SDG (A2A0342-02)												
Vinyl chloride	26.7	---	0.500	ug/L	1	20.0	ND	134	1-251%	---	---	Q-29
Acrolein	42.8	---	5.00	ug/L	1	20.0	ND	214	40-160%	---	---	
Acrylonitrile	22.2	---	2.00	ug/L	1	20.0	ND	111	40-160%	---	---	
Xylenes, total	63.5	---	0.900	ug/L	1	60.0	ND	106	79-121%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		85-120 %		"						
4-Bromofluorobenzene (Surr)		96 %		75-120 %		"						

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0384 - EPA 3546						Soil						
Blank (22A0384-BLK1)			Prepared: 01/12/22 08:59   Analyzed: 01/12/22 17:38									C-07
EPA 8082A												
Aroclor 1016	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 104 %		Limits: 60-125 %		Dilution: 1x						
LCS (22A0384-BS1)			Prepared: 01/12/22 08:59   Analyzed: 01/12/22 17:56									C-07
EPA 8082A												
Aroclor 1016	231	5.00	10.0	ug/kg wet	1	250	---	92	47-134%	---	---	
Aroclor 1260	234	5.00	10.0	ug/kg wet	1	250	---	94	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 101 %		Limits: 60-125 %		Dilution: 1x						
Duplicate (22A0384-DUP1)			Prepared: 01/12/22 08:59   Analyzed: 01/12/22 18:50									C-07
QC Source Sample: Non-SDG (A2A0316-01)												
Aroclor 1016	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	9.19	18.4	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)		Recovery: 90 %		Limits: 60-125 %		Dilution: 1x						
Matrix Spike (22A0384-MS1)			Prepared: 01/12/22 08:59   Analyzed: 01/12/22 20:01									C-07
QC Source Sample: FM-COMP (A2A0427-05)												
EPA 8082A												
Aroclor 1016	267	5.76	11.5	ug/kg dry	1	288	ND	93	47-134%	---	---	
Aroclor 1260	325	5.76	11.5	ug/kg dry	1	288	ND	113	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 87 %		Limits: 60-125 %		Dilution: 1x						

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3140 NE Broadway Street  
Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0384 - EPA 3546							Soil					

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## ANALYTICAL REPORT

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Portland, OR 97232Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0488 - EPA 3546						Soil						
Blank (22A0488-BLK1)				Prepared: 01/14/22 07:30		Analyzed: 01/14/22 16:59		C-07				
EPA 8082A												
Aroclor 1016	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 112 %		Limits: 60-125 %		Dilution: 1x						
LCS (22A0488-BS1)				Prepared: 01/14/22 07:30		Analyzed: 01/14/22 17:17		C-07				
EPA 8082A												
Aroclor 1016	216	5.00	10.0	ug/kg wet	1	250	---	86	47-134%	---	---	
Aroclor 1260	250	5.00	10.0	ug/kg wet	1	250	---	100	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 108 %		Limits: 60-125 %		Dilution: 1x						
Duplicate (22A0488-DUP1)				Prepared: 01/14/22 07:30		Analyzed: 01/14/22 18:10		C-07				
QC Source Sample: SED-COMP-W (A2A0427-03RE2)												
EPA 8082A												
Aroclor 1016	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	35.4	70.8	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)		Recovery: 47 %		Limits: 60-125 %		Dilution: 1x					S-03	
Matrix Spike (22A0488-MS1)				Prepared: 01/14/22 07:30		Analyzed: 01/14/22 19:20		C-07				
QC Source Sample: SED-COMP-E (A2A0427-04RE2)												
EPA 8082A												
Aroclor 1016	896	44.3	88.5	ug/kg dry	1	2210	ND	40	47-134%	---	---	Q-01
Aroclor 1260	1090	44.3	88.5	ug/kg dry	1	2210	ND	49	53-140%	---	---	Q-01

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street  
Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0488 - EPA 3546						Soil						
Matrix Spike (22A0488-MS1)			Prepared: 01/14/22 07:30   Analyzed: 01/14/22 19:20									C-07
QC Source Sample: SED-COMP-E (A2A0427-04RE2)												
Surr: Decachlorobiphenyl (Surr)		Recovery: 43 %		Limits: 60-125 %		Dilution: 1x		S-03				

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Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0389 - EPA 3051A						Soil						
Blank (22A0389-BLK1)			Prepared: 01/12/22 10:24    Analyzed: 01/12/22 23:18									
EPA 6020B												
Arsenic	ND	0.487	0.975	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	0.487	0.975	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	0.0975	0.195	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	0.487	0.975	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	0.0975	0.195	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	0.0390	0.0780	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	0.0975	0.195	mg/kg wet	10	---	---	---	---	---	---	
Blank (22A0389-BLK2)			Prepared: 01/12/22 10:24    Analyzed: 01/13/22 13:27									
EPA 6020B												
Selenium	ND	0.487	0.975	mg/kg wet	10	---	---	---	---	---	---	Q-16
LCS (22A0389-BS1)			Prepared: 01/12/22 10:24    Analyzed: 01/12/22 23:22									
EPA 6020B												
Arsenic	48.8	0.487	0.975	mg/kg wet	10	48.7	---	100	80-120%	---	---	
Barium	47.1	0.487	0.975	mg/kg wet	10	48.7	---	97	80-120%	---	---	
Cadmium	48.2	0.0975	0.195	mg/kg wet	10	48.7	---	99	80-120%	---	---	
Chromium	46.2	0.487	0.975	mg/kg wet	10	48.7	---	95	80-120%	---	---	
Lead	47.3	0.0975	0.195	mg/kg wet	10	48.7	---	97	80-120%	---	---	
Mercury	0.905	0.0390	0.0780	mg/kg wet	10	0.975	---	93	80-120%	---	---	
Silver	24.6	0.0975	0.195	mg/kg wet	10	24.4	---	101	80-120%	---	---	
LCS (22A0389-BS2)			Prepared: 01/12/22 10:24    Analyzed: 01/13/22 13:41									
EPA 6020B												
Selenium	24.6	0.487	0.975	mg/kg wet	10	24.4	---	101	80-120%	---	---	Q-16
Duplicate (22A0389-DUP1)			Prepared: 01/12/22 10:24    Analyzed: 01/12/22 23:32									
QC Source Sample: SED-COMP-W (A2A0427-03)												
EPA 6020B												
Arsenic	12.5	3.62	7.25	mg/kg dry	10	---	12.9	---	---	3	20%	
Barium	176	3.62	7.25	mg/kg dry	10	---	170	---	---	3	20%	
Cadmium	ND	0.725	1.45	mg/kg dry	10	---	ND	---	---	---	20%	

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Project Number: 0496.02

Project Manager: Jacob Faust

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A2A0427 - 01 18 22 1438

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 22A0389 - EPA 3051A						Soil						
Duplicate (22A0389-DUP1)			Prepared: 01/12/22 10:24    Analyzed: 01/12/22 23:32									
QC Source Sample: SED-COMP-W (A2A0427-03)												
Chromium	46.2	3.62	7.25	mg/kg dry	10	---	42.1	---	---	9	20%	
Lead	11.4	0.725	1.45	mg/kg dry	10	---	11.3	---	---	0.8	20%	
Mercury	ND	0.290	0.580	mg/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	0.725	1.45	mg/kg dry	10	---	ND	---	---	---	20%	
Duplicate (22A0389-DUP2)			Prepared: 01/12/22 10:24    Analyzed: 01/13/22 13:50									
QC Source Sample: SED-COMP-W (A2A0427-03RE1)												
EPA 6020B												
Selenium	ND	3.62	7.25	mg/kg dry	10	---	ND	---	---	---	20%	Q-16
Matrix Spike (22A0389-MS1)			Prepared: 01/12/22 10:24    Analyzed: 01/12/22 23:51									
QC Source Sample: SED-COMP-E (A2A0427-04)												
EPA 6020B												
Arsenic	498	4.99	9.97	mg/kg dry	10	499	14.9	97	75-125%	---	---	
Barium	681	4.99	9.97	mg/kg dry	10	499	183	100	75-125%	---	---	
Cadmium	480	0.997	1.99	mg/kg dry	10	499	ND	96	75-125%	---	---	
Chromium	513	4.99	9.97	mg/kg dry	10	499	44.5	94	75-125%	---	---	
Lead	489	0.997	1.99	mg/kg dry	10	499	13.0	95	75-125%	---	---	
Mercury	10.1	0.399	0.798	mg/kg dry	10	9.97	ND	102	75-125%	---	---	
Silver	249	0.997	1.99	mg/kg dry	10	249	ND	100	75-125%	---	---	
Matrix Spike (22A0389-MS2)			Prepared: 01/12/22 10:24    Analyzed: 01/13/22 14:00									
QC Source Sample: SED-COMP-E (A2A0427-04RE1)												
EPA 6020B												
Selenium	234	4.99	9.97	mg/kg dry	10	249	ND	94	75-125%	---	---	Q-16

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Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2A0427 - 01 18 22 1438**

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0378 - Method Prep: Aq						Water						
Blank (22A0378-BLK1)			Prepared: 01/12/22 08:23    Analyzed: 01/17/22 14:00									
SM 5210 B												
Biochemical Oxygen Demand	ND	---	4.00	mg/L	1	---	---	---	---	---	---	
Duplicate (22A0378-DUP1)			Prepared: 01/12/22 08:23    Analyzed: 01/17/22 14:00									
QC Source Sample: Non-SDG (A2A0404-01)												
Biochemical Oxygen Demand	4.11	---	3.16	mg/L	1	---	4.07	---	---	1	15%	Q-29
Duplicate (22A0378-DUP2)			Prepared: 01/12/22 18:04    Analyzed: 01/17/22 14:00									
QC Source Sample: Non-SDG (A2A0480-02)												
Biochemical Oxygen Demand	6.33	---	3.16	mg/L	1	---	6.47	---	---	2	15%	Q-29
Reference (22A0378-SRM1)			Prepared: 01/12/22 08:23    Analyzed: 01/17/22 14:00									
SM 5210 B												
Biochemical Oxygen Demand	234	---		mg/L	1	198		118	85-115%	---	---	Q-29

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*Philip Nerenberg*

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Project Manager: **Jacob Faust**

**Report ID:**

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## QUALITY CONTROL (QC) SAMPLE RESULTS

### Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0443 - Total Suspended Solids						Water						
Blank (22A0443-BLK1)			Prepared: 01/13/22 10:41    Analyzed: 01/13/22 10:41									
SM 2540 D												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (22A0443-DUP1)			Prepared: 01/13/22 10:41    Analyzed: 01/13/22 10:41									
QC Source Sample: Non-SDG (A2A0433-02)												
Total Suspended Solids	8.00	---	5.00	mg/L	1	---	7.80	---	---	2.53	10%	
Duplicate (22A0443-DUP2)			Prepared: 01/13/22 10:41    Analyzed: 01/13/22 10:41									
QC Source Sample: Non-SDG (A2A0465-01)												
Total Suspended Solids	ND	---	5.00	mg/L	1	---	ND	---	---	---	10%	SO-1
Reference (22A0443-SRM1)			Prepared: 01/13/22 10:41    Analyzed: 01/13/22 10:41									
SM 2540 D												
Total Suspended Solids	929	---		mg/L	1	812		114	84.9-115.1%	---	---	

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Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2A0427 - 01 18 22 1438****QUALITY CONTROL (QC) SAMPLE RESULTS****Conventional Chemistry Parameters**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0333 - Method Prep: Aq						Water						
Duplicate (22A0333-DUP1)			Prepared: 01/11/22 09:12    Analyzed: 01/11/22 15:41									
QC Source Sample: Non-SDG (A2A0417-01)												
pH	7.4	---		pH Units	1	---	7.4	---	---	0.5	2%	H-12
pH Temperature (deg C)	21.8	---		pH Units	1	---	22.7	---	---	4	30%	H-12
Reference (22A0333-SRM1)			Prepared: 01/11/22 09:12    Analyzed: 01/11/22 09:28									
SM 4500-H+ B												
pH	6.0	---		pH Units	1	6.00		100	99-101%	---	---	
pH Temperature (deg C)	20.5	---		pH Units	1	20.0		102	50-200%	---	---	
Reference (22A0333-SRM2)			Prepared: 01/11/22 09:12    Analyzed: 01/11/22 09:30									
SM 4500-H+ B												
pH	8.0	---		pH Units	1	8.00		100	99-101%	---	---	
pH Temperature (deg C)	20.5	---		pH Units	1	20.0		102	50-200%	---	---	
Reference (22A0333-SRM3)			Prepared: 01/11/22 09:12    Analyzed: 01/11/22 15:37									
SM 4500-H+ B												
pH	6.0	---		pH Units	1	6.00		100	99-101%	---	---	
pH Temperature (deg C)	21.2	---		pH Units	1	20.0		106	50-200%	---	---	
Reference (22A0333-SRM4)			Prepared: 01/11/22 09:12    Analyzed: 01/11/22 15:56									
SM 4500-H+ B												
pH	8.0	---		pH Units	1	8.00		100	99-101%	---	---	
pH Temperature (deg C)	21.0	---		pH Units	1	20.0		105	50-200%	---	---	

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22A0415 - Total Solids (Dry Weight)							Soil					
Duplicate (22A0415-DUP1)			Prepared: 01/12/22 13:03		Analyzed: 01/13/22 07:53		PRO					
QC Source Sample: Non-SDG (A2A0357-04)												
% Solids	97.5	---	1.00	%	1	---	97.6	---	---	0.06	10%	
Duplicate (22A0415-DUP2)			Prepared: 01/12/22 13:03		Analyzed: 01/13/22 07:53							
QC Source Sample: Non-SDG (A2A0437-01)												
% Solids	91.8	---	1.00	%	1	---	89.2	---	---	3	10%	
Duplicate (22A0415-DUP3)			Prepared: 01/12/22 13:03		Analyzed: 01/13/22 07:53							
QC Source Sample: Non-SDG (A2A0438-01)												
% Solids	91.5	---	1.00	%	1	---	91.3	---	---	0.3	10%	
Duplicate (22A0415-DUP4)			Prepared: 01/12/22 13:03		Analyzed: 01/13/22 07:53							
QC Source Sample: Non-SDG (A2A0460-01)												
% Solids	94.9	---	1.00	%	1	---	94.7	---	---	0.2	10%	
Duplicate (22A0415-DUP5)			Prepared: 01/12/22 17:56		Analyzed: 01/13/22 07:53							
QC Source Sample: Non-SDG (A2A0493-06)												
% Solids	98.7	---	1.00	%	1	---	98.7	---	---	0.02	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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## SAMPLE PREPARATION INFORMATION

## Purgeable Organic Compounds by EPA 624.1

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22A0321							
A2A0427-01	Water	EPA 624.1	01/11/22 10:30	01/11/22 16:00	5mL/5mL	5mL/5mL	1.00
A2A0427-02	Water	EPA 624.1	01/11/22 10:45	01/11/22 16:00	5mL/5mL	5mL/5mL	1.00

## Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22A0384							
A2A0427-05	Soil	EPA 8082A	01/11/22 11:30	01/12/22 08:59	10.34g/5mL	10g/5mL	0.97
Batch: 22A0488							
A2A0427-03RE2	Soil	EPA 8082A	01/11/22 11:10	01/14/22 07:30	10.3g/5mL	10g/5mL	0.97
A2A0427-04RE2	Soil	EPA 8082A	01/11/22 11:00	01/14/22 07:30	10.65g/5mL	10g/5mL	0.94

## Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22A0389							
A2A0427-03	Soil	EPA 6020B	01/11/22 11:10	01/12/22 10:24	0.513g/50mL	0.5g/50mL	0.98
A2A0427-03RE1	Soil	EPA 6020B	01/11/22 11:10	01/12/22 10:24	0.513g/50mL	0.5g/50mL	0.98
A2A0427-04	Soil	EPA 6020B	01/11/22 11:00	01/12/22 10:24	0.46g/50mL	0.5g/50mL	1.09
A2A0427-04RE1	Soil	EPA 6020B	01/11/22 11:00	01/12/22 10:24	0.46g/50mL	0.5g/50mL	1.09
A2A0427-05	Soil	EPA 6020B	01/11/22 11:30	01/12/22 10:24	0.486g/50mL	0.5g/50mL	1.03
A2A0427-05RE1	Soil	EPA 6020B	01/11/22 11:30	01/12/22 10:24	0.486g/50mL	0.5g/50mL	1.03

## Demand Parameters

Prep: Method Prep: Ag

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22A0378							
A2A0427-01	Water	SM 5210 B	01/11/22 10:30	01/12/22 10:15	150mL/300mL	150mL/300mL	NA
A2A0427-02	Water	SM 5210 B	01/11/22 10:45	01/12/22 10:15	150mL/300mL	150mL/300mL	NA

## Solid and Moisture Determinations

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Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22A0443</b>							
A2A0427-01	Water	SM 2540 D	01/11/22 10:30	01/13/22 10:41			NA
A2A0427-02	Water	SM 2540 D	01/11/22 10:45	01/13/22 10:41			NA

**Conventional Chemistry Parameters****Prep: Method Prep: Ag**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22A0333</b>							
A2A0427-01	Water	SM 4500-H+ B	01/11/22 10:30	01/11/22 15:09	20mL/20mL	20mL/20mL	NA
A2A0427-02	Water	SM 4500-H+ B	01/11/22 10:45	01/11/22 15:09	20mL/20mL	20mL/20mL	NA

**Percent Dry Weight****Prep: Total Solids (Dry Weight)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22A0415</b>							
A2A0427-03	Soil	EPA 8000D	01/11/22 11:10	01/12/22 13:03			NA
A2A0427-04	Soil	EPA 8000D	01/11/22 11:00	01/12/22 13:03			NA
A2A0427-05	Soil	EPA 8000D	01/11/22 11:30	01/12/22 13:03			NA

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## QUALIFIER DEFINITIONS

### **Client Sample and Quality Control (QC) Sample Qualifier Definitions:**

#### **Apex Laboratories**

- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- H-12** Sample analysis was performed >15 minutes after sample collection. Consult regulator or permit manager to determine the usability of data for intended use.
- PRO** Sample has undergone sample processing prior to extraction and analysis.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-02** Spike recovery is outside of established control limits due to matrix interference.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-29** Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
- S-03** Sample re-extract, or the analysis of an associated Batch QC sample, confirms surrogate failure due to sample matrix effect.
- SO-1** Result is considered an estimated value. Less than 1 liter of sample was used in analysis and the method minimum residue of 2.5 mg was not met. The reporting level has been adjusted accordingly to reflect the increased uncertainty of the result.

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Project Manager: **Jacob Faust**

**Report ID:**

**A2A0427 - 01 18 22 1438**

### REPORTING NOTES AND CONVENTIONS:

#### Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.  
ND Analyte NOT DETECTED at or above the detection or reporting limit.  
NR Result Not Reported  
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

#### Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).  
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

#### Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

#### Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.  
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.  
  
"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")  
See Percent Solids section for details of dry weight analysis.  
"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.  
" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

#### QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

#### Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.  
  
" \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

#### Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).  
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.  
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.  
For further details, please request a copy of this document.

Apex Laboratories

Philip Nerenberg, Lab Director

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*





## ANALYTICAL REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2A0427 - 01 18 22 1438**

### REPORTING NOTES AND CONVENTIONS (Cont.):

#### **Blanks (Cont.):**

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

#### **Preparation Notes:**

##### **Mixed Matrix Samples:**

##### **Water Samples:**

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

##### **Soil and Sediment Samples:**

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

#### **Sampling and Preservation Notes:**

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



## ANALYTICAL REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2A0427 - 01 18 22 1438**

### LABORATORY ACCREDITATION INFORMATION

**ORELAP Certification ID: OR100062 (Primary Accreditation)** -

**EPA ID: OR01039**

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

#### **Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

#### **Secondary Accreditations**

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

#### **Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

#### **Field Testing Parameters**

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**Maul Foster & Alongi, INC.**  
3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**  
Project Number: **0496.02**  
Project Manager: **Jacob Faust**

Report ID:  
**A2A0427 - 01 18 22 1438**

**APEX LABS**  
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

**CHAIN OF CUSTODY**

Lab # **A2A0427** coc 1 of 1

Company: <b>MFA</b>		Project Mgr: <b>Jacob Faust</b>		Project Name: <b>Blue Heron Paper Mill</b>		Project #: <b>0496.02</b>	
Address: <b>3140 NE Broadway St. Portland, OR 97232</b>		Phone: <b>760-419-6145</b>		Email: <b>jfauste@maulfooster.com</b>		PO #	
Sampled by: <b>Tessa Shabram &amp; Mike Murray</b>		ANALYSIS REQUEST					
Site Location: <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px; margin-right: 5px;">OR</div> <div>WA CA</div> </div> AK ID							
SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCD	NWTPH-GX	NWTPH-BTEX
W-COMP-W	1/11/22	10:30	W	9			
W-COMP-E	1/11/22	10:45	W	9			
SED-COMP-W	1/11/22	11:10	S	2			
SED-COMP-E	1/11/22	11:00	S	2			
FM-COMP	1/11/22	11:30	S	2			
SPECIAL INSTRUCTIONS:							
Standard Turn Around Time (TAT) = 10 Business Days							
TAT Requested (circle)		1 Day		2 Day		3 Day	
		5 Day		Standard		Other: <u>7 days</u>	
SAMPLES ARE HELD FOR 30 DAYS							
RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature: <i>Tessa Shabram</i>		Signature: <i>[Signature]</i>		Signature:		Signature:	
Date: 1/11/22		Date: 1/11/22		Date:		Date:	
Printed Name: Tessa Shabram		Printed Name: [Name]		Printed Name:		Printed Name:	
Company: MFA		Company: Apex Labs		Company:		Company:	

Maul Foster &amp; Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2A0427 - 01 18 22 1438

## APEX LABS COOLER RECEIPT FORM

Client: MFA Element WO#: A2 A0427

Project/Project #: Blue Heron Paper Mill #0496.02

## Delivery Info:

Date/time received: 11/11/22 @ 1235 By: AKK  
Delivered by: Apex Client ☒ ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 11/11/22 @ 1240 By: AKK

Chain of Custody included? Yes ☒ No Custody seals? Yes No ☒

Signed/dated by client? Yes ☒ No

Signed/dated by Apex? Yes ☒ No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.9	5.5					
Received on ice? (Y/N)	Y	Y					
Temp. blanks? (Y/N)	Y	Y					
Ice type: (Gel/Real/Other)	Real	Real					
Condition:	Good	Good					

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes No

Out of temperature samples form initiated? Yes No

Sample Inspection: Date/time inspected: 11/11/22 @ 1353 By: MAS

All samples intact? Yes ☒ No Comments:

Bottle labels/COCs agree? Yes ☒ No Comments:

COC/container discrepancies form initiated? Yes No ☒

Containers/volumes received appropriate for analysis? Yes ☒ No Comments: only 2 I-L

pay received for BOD, TSS and pH. (water samples)

Do VOA vials have visible headspace? Yes No ☒ NA

Comments:

Water samples: pH checked: Yes No NA ☒ pH appropriate? Yes No NA ☒

Comments:

## Additional information:

Labeled by: Witness: Cooler Inspected by:

MAS

DXX

MAS

## Attachment 3

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### Photographic Log



MAUL  
FOSTER  
ALONGI





# Photographs

**Project Name:** Water Filtration Plant Demolition  
**Project Number:** M0496.02.004  
**Location:** Oregon City, Oregon

## Photo No. 1.

### Description

1/7/2022

Removing cladding from upper structure, looking northwest



## Photo No. 2.

### Description

5/1/2022

East side structure demolition, looking west







# Photographs

Project Name: Water Filtration Plant Demolition  
Project Number: M0496.02.004  
Location: Oregon City, Oregon

## Photo No. 3.

### Description

5/5/2022

Demolition progress,  
looking north



## Photo No. 4.

### Description

5/5/2022

Demolition progress,  
looking northwest





# Photographs

Project Name: Water Filtration Plant Demolition  
Project Number: M0496.02.004  
Location: Oregon City, Oregon

## Photo No. 5.

### Description

6/3/2022

Sediment located in basement below west half of structure, looking northeast



## Photo No. 6.

### Description

7/5/2022

Sediment located in basement below east half of structure, looking northeast







# Photographs

Project Name: Water Filtration Plant Demolition  
Project Number: M0496.02.004  
Location: Oregon City, Oregon

## Photo No. 7.

### Description

6/16/2022

Demolition progress  
east half of structure,  
looking north



## Photo No. 8.

### Description

8/23/2022

Final site condition.  
Looking northwest





# Photographs

**Project Name:** Water Filtration Plant Demolition  
**Project Number:** M0496.02.004  
**Location:** Oregon City, Oregon

## Photo No. 9.

### Description

8/23/2022

Final site condition,  
looking northwest



## Attachment 4

---

### Asbestos Closeout Documentation



MAUL  
FOSTER  
ALONGI





OREGON WASHINGTON  
777 S.W. ARMCO AVENUE HILLSBORO, OREGON 97123  
(503) 693-6388 FAX (503) 693-7221  
ASBESTOS LEAD MOLD CCB# 155646  
ENVIRONMENTAL WA# IRSENI\*972N5  
SERVICES MWEB # 10447

John Sullivan  
**Elder Demolition**  
6400 101<sup>st</sup> Ave #201  
Portland, OR 97266

Date: February 21, 2023

Re: **Blue Heron Mill Phase I – 300 Main St, Oregon City**

Dear Mr. Sullivan

IRS Environmental completed removal and proper disposal of asbestos containing materials for demolition per survey taken by Apex from the above referenced address in the following buildings:

Building Name or #	Date	ACM removed	Supervisors	Cert #
Mill Office	2021.09.10	CAB	Isaias Cacatzum	S15870
Mill Office	2021.10.07 – 11.5	Built up roofing	Diego Sanchez Adrian Barragan	S16070 S16326
Water Filter Plant, Guard Shack Ofc	2021.11.08 – 11.15	CAB, Roofing, Mastic on concrete floor	Diego Sanchez	S16070
Water Filter	2021.11.15 -	CAB	Diego Sanchez	S16070
Fire Debris	2021.11.16 – 11.22	Fire Contaminated debris	Adrian Barragan	S16326
Truck dump Bldg	2021.12.27	Transite Panels	Bob Craft	S16031
Water Treatment	2022.04.22	CAB	Diego Sanchez	S16070
Carpenter Shop	2022.04.26 - 27	Built up roofing	Adrian Barragan	S16326
Water Treatment Plant	2022.07.15	Transite Pipe wrapped in concrete	Bob Craft	S16031
Millright shop	2022.07.18	Tile/mastic	Diego Sanchez	S16070
Water Treatment Plant	2022.07.23 – 07.25	Transite Pipe wrapped in concrete	Bob Craft Delfino Hernandez	S16031 S16263

Enclosed please find the following closeout documents regarding the work at the above referenced location:

- ASN4 Manifests (86 documents)
- ASN1 DEQ notifications & NPE Variance

Should you have any questions or require any additional information, please feel free to call our office at 503-693-6388.

Regards,

*Nancy Nguyen*

Nancy Nguyen  
CEO, IRS Environmental of Portland, Inc

**ASN 4****FRIABLE  
ASBESTOS WASTE SHIPMENT REPORT FORM****JOB # 21761**

PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

**WASTE GENERATOR:** (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
Contact person: Jeff Elder Phone: 503-515-8314
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Transite Pipe Incased in Concrete
5. Containers: Number: 1 Type: BA - 6 MIL
6. Total quantity (cubic yards): 20 yds ABL Wrap Buritto
7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Bob Craft BOB CRAFT Company: IRS Environmental of Portland, Inc  
Address: 777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388

**TRANSPORTER(S):**

8. Transporter #1: (Acknowledgment of receipt of materials)  
Agent: Josh Christenson Company: River City  
Address: 5410 NE 109th Ave PDX OR Phone: (503) 252-6144  
Signature: [Signature] Date: 7-19-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management **JUL 19 2022**  
Name and Title: HLI - Operator Date: (503) 640-9427  
Signature: [Signature] Phone: (503) 640-9427

11. **DISCREPANCY SPACE:** (Add attachments as needed) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

W/n # 1075534

ASN 4

# FRIABLE

## ASBESTOS WASTE SHIPMENT REPORT FORM



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

**WASTE GENERATOR:** (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
 Contact person: Jeff Elder Phone: 503-515-8314
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Transite Pipe Incased in Concrete
5. Containers: Number: 1 Type: BA - 6 MIL
6. Total quantity (cubic yards): 30 DBL wrap Burrito
7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Lolo Marquez Company: River City E  
 Address: 5410 NE 109th Ave Portland OR 97220 Phone: (503) 252-6144

**TRANSPORTER(S):**

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Bob Company: IRS Environmental of Portland  
 Address: 777 SW Armco Ave, Hillsboro, OR 97123 Phone: 503 693 6388  
 Signature: Bob Date: 7-20-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: Lolo M Company: River City Environmental  
 Address: 5410 NE 109th Ave Portland OR 97220 Phone: 503 252-6144  
 Signature: Lolo M Date: 7-20-22

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: JUL 20 2022  
 Signature: [Signature] Phone: (503) 640-9427  
(503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed)



ASN 4

# FRIABLE

## ASBESTOS WASTE SHIPMENT REPORT FORM

JOB # 21761



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

**WASTE GENERATOR:** (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City, OR Clackamas 97045  
Street City/State County Zip  
 Contact person: Jason Samek Phone: 503-693-6388
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Cement asbestos pipe
5. Containers: Number: 2 Type: BA - 6 MIL
6. Total quantity (cubic yards): 1/10

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Diego Sanchez Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: \_\_\_\_\_

**TRANSPORTER(S):**

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Whitney Smith Company: IRS Environmental of Portland  
 Address: 777 SW Armco Ave, Hillsboro, OR 97123 Phone: 503-693-6388  
 Signature: [Signature] Date: JUL 22 2022
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: Marty Lind Company: Hillsboro Garbage  
 Address: 4945 SW Minter Bridge Rd, Hillsboro, OR 97123 Phone: (503) 648-4219  
 Signature: [Signature] Date: JUL 22 2022

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management JUL 22 2022  
 Name and Title: HLI - Operator Date: \_\_\_\_\_  
 Signature: [Signature] Phone: (503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# ASN 4

## FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM



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### WASTE GENERATOR: (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City, OR Clackamas 97045  
Street City/State County Zip
- Contact person: Jason Samek Phone: \_\_\_\_\_
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Transite Pipe Incased in Concrete
5. Containers: Number: 1 Type: BA - 6 MIL  
DBL wrap Burrito
6. Total quantity (cubic yards): 30 urds

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Bob Craft Bob Craft Company: IRS Environmental of Portland, Inc  
Address: 777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
Call (971) 285-5249

### TRANSPORTER(S):

8. Transporter #1: (Acknowledgment of receipt of materials)  
Agent: Josh Christenson Company: River City  
Address: 5410 NE 109th Ave PDX OR Phone: (503) 253-6144  
Signature: \_\_\_\_\_ Date: 7-25-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
Name and Title: HLI - Operator Date: JUL 25 2022  
Signature: \_\_\_\_\_ Phone: (503) 640-9427  
(503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed)

W/O #

ASN 4

FRIABLE

JOB # 21701

## ASBESTOS WASTE SHIPMENT REPORT FORM



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

## WASTE GENERATOR: (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City, OR Clackamas 97045  
Street City/State County Zip  
 Contact person: Jason Samek Phone: \_\_\_\_\_
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Transite Pipe Encased in Concrete Type: BA - 6 MIL
5. Containers: Number: 1 DBL wrap Bundle
6. Total quantity (cubic yards): 30 wds

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Bob Craft Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: Cell (971) 285-5249

## TRANSPORTER(S):

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Lalo Marquez Company: River City E.  
 Address: 5410 NE 109th Ave Portland OR 97220 Phone: 503-252-6144  
 Signature: Lalo Marquez Date: 7-25-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: JUL 25 2022  
 Signature: [Signature] Phone: (503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed)

ASN 4

# FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM

JOB # 21761



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

**WASTE GENERATOR:** (Contractor, Facility, or Operator)

- Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
 Contact person: Jeff Eider Phone: 503-515-8314
- Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
- Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
- Describe asbestos materials: CAD
- Containers: Number: 8 Type: BA - 6 MIL
- Total quantity (cubic yards): 10 (34) Burnt Wraps
- OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Dob Corp Company: IRS Environmental of Portland, Inc  
 Address: 777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388

**TRANSPORTER(S):**

- Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Whitney Smith Company: IRS Environmental of Portland  
 Address: 777 SW Armco Ave, Hillsboro, OR 97123 Phone: 503-693-6388  
 Signature: [Signature] Date: 1/5/22
- Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: Scott Kearns Company: Hillsboro Garbage  
 Address: 4945 SW Minter Bridge Rd, Hillsboro, OR 97123 Phone: (503) 648-4219  
 Signature: [Signature] Date: 1/5/22

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

- Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: JAN 05 2022  
 Signature: [Signature] Phone: (503) 640-9427

11. **DISCREPANCY SPACE:** (Add attachments as needed)

ASN 4

# FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM



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**WASTE GENERATOR:** (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
 Contact person: Jason Samek Phone: \_\_\_\_\_
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Cement asbestos Pipe Encased in concrete  
 Type: BA - 6 MIL Borrito
5. Containers: Number: 1
6. Total quantity (cubic yards): 30

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Delvino Hernandez Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: \_\_\_\_\_

**TRANSPORTER(S):**

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Ralo Marquez Company: River City Environmental  
5410 NE 109th Ave Portland OR 97220 Phone: 503 252 6144  
 Signature: Ralo M. Date: 7-28-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Phone: (503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ASN 4

# FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM



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**WASTE GENERATOR:** (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
 Contact person: Jason Samek Phone: \_\_\_\_\_
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Cement asbestos Pipe Encased in concrete  
 Type: BA - 6 MIL Borrito
5. Containers: Number: 1
6. Total quantity (cubic yards): 30

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: DelPino Hernandez Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: \_\_\_\_\_

**TRANSPORTER(S):**

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Ralo Marquez Company: River City Environmental  
 Address: 5410 NE 109th Ave Portland OR 97220 Phone: 503 252 6144  
 Signature: Ralo M. Date: 7-28-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLL - Operator Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Phone: (503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ASN 4

# FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM

JOB # 21761



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

**WASTE GENERATOR:** (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
 Contact person: Jeff Elder Phone: 503-515-8314
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: CAB PANELS
5. Containers: Number: 8 wraps 2 Bags type: BA - 6 MIL
6. Total quantity (cubic yards): 30 yards
7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Diego Sanchez Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: \_\_\_\_\_

**TRANSPORTER(S):**

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Josh Christensen Company: IRS Environmental of Portland  
 Address: 777 SW Armco Ave, Hillsboro, OR 97123 Phone: 503 693 6388  
 Signature: [Signature] Date: 5-2-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: MAY 02 2022  
 Signature: [Signature] Phone: (503) 640-9427

11. **DISCREPANCY SPACE:** (Add attachments as needed) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

w/o # 1021076



ASN 4

FRIABLE

JOB # 21761

## ASBESTOS WASTE SHIPMENT REPORT FORM



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## WASTE GENERATOR: (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City, OR Clackamas 97045  
Street City/State County Zip  
 Contact person: Jason Samek Phone: \_\_\_\_\_
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Transite Pipe Encased in Concrete
5. Containers: Number: 1 Type: BA - 6 MIL
6. Total quantity (cubic yards): 30 yds DBL wrap Bunko
7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Bob Craft IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: Cell (971) 285-5249

## TRANSPORTER(S):

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Lolo Marquez Company: River City E  
 Address: 5410 NE 109th Ave Portland OR 97220 Phone: 503 252 6614  
 Signature: [Signature] Date: 8-2-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: AUG 02 2022  
 Signature: [Signature] Phone: (503) 640-9427  
(503) 640-9427
11. **DISCREPANCY SPACE:** (Add attachments as needed)



ASN 4

FRIABLE

JOB # 21701

## ASBESTOS WASTE SHIPMENT REPORT FORM



PLEASE PRINT OR TYPE. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

## WASTE GENERATOR: (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City Clackamas 97045  
Street City/State County Zip  
 Contact person: Jason Samek Phone: \_\_\_\_\_
2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
3. Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
4. Describe asbestos materials: Transite Pipe Increased in Concrete  
 Type: BA - 6 MIL
5. Containers: Number: 1 DBL wrap Bundle
6. Total quantity (cubic yards): 30 loads

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Bob Craft IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address: Cell: (471) 285-5249

## TRANSPORTER(S):

8. Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Josh Christenson Company: River City  
5410 NE 109th Ave PDX OR Phone: (503) 252-6144  
 Signature: \_\_\_\_\_ Date: 8-2-22
9. Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: AUG 02 2022  
 Signature: \_\_\_\_\_ Phone: (503) 640-9427  
(503) 640-9427

11. **DISCREPANCY SPACE:** (Add attachments as needed)

W/O # 1080622

ASN 4

FRIABLE

JOB # 21761

## ASBESTOS WASTE SHIPMENT REPORT FORM



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**WASTE GENERATOR:** (Contractor, Facility, or Operator)

- Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City, OR Clackamas 97045  
 Street City/State County Zip  
 Contact person: Jason Samek Phone: 503-515-8326
- Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
 Street City/State County Zip
- Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
 Street City/State County Zip
- Describe asbestos materials: Cement Asbestos Pipe Encased in concrete  
 Type: BA - 6 MIL Barriolo
- Containers: Number: 1
- Total quantity (cubic yards): 30

7. **OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Delfino Hernandez Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address:

**TRANSPORTER(S):**

- Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: GARY HARVEY Company: River City  
SUNBELT WASTE MANAGEMENT Phone: 503-254-6144  
 Address: 8-15-22  
 Signature: [Signature] Date:
- Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

- Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLI - Operator Date: 8/15/22  
 Signature: [Signature] Dennis P. Baker 8:20 AM Phone: (503) 640-9427

11. **DISCREPANCY SPACE:** (Add attachments as needed)

ASN 4

# FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM

JOB # 21761



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**WASTE GENERATOR:** (Contractor, Facility, or Operator)

- Asbestos removal site name and address: Blue Heron Mill  
300 Main St Oregon City, OR Clackamas 97045  
Street City/State County Zip  
 Contact person: Jeff Elder Phone: 503-515-8314
- Contractor/Operator's name and address: IRS Environmental of Portland, Inc. Phone: 503-693-6388  
777 SW Armco Ave Hillsboro / OR Washington 97123  
Street City/State County Zip
- Waste disposal site: Hillsboro Landfill - Waste Management Phone: (503) 640-9427  
3205 SE Minter Bridge Rd Hillsboro, OR Washington Co 97123  
Street City/State County Zip
- Describe asbestos materials: BUR Roofing debris
- Containers: Number: 2 DBL Liner Type: BA - 6 MIL
- Total quantity (cubic yards): 40 yards
- OPERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Diego Sanchez Company: IRS Environmental of Portland, Inc  
777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388  
 Address:

**TRANSPORTER(S):**

- Transporter #1: (Acknowledgment of receipt of materials)  
 Agent: Jason Coy Company: Elden Demulder  
 Address: 6400 SE 101st Ave #201 Portland OR 97266 Phone: 503 760 6330  
 Signature: [Signature] Date: 11/11/21
- Transporter #2: (Acknowledgment of receipt of materials)  
 Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**DISPOSAL:** (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

- Waste Disposal Site: Hillsboro Landfill - Waste Management  
 Name and Title: HLL - Operator Date: NOV 11 2021  
 Signature: [Signature] Phone: (503) 640-9427
- DISCREPANCY SPACE:** (Add attachments as needed)

ASN 4



# FRIABLE ASBESTOS WASTE SHIPMENT REPORT FORM

JOB # 21761

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WASTE GENERATOR: (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Blue Heron Mill  
300 Main St  
 Street City/State Oregon City, OR County Clackamas Zip 97045

Contact person: Jeff Elder

Phone: 503-515-8314

2. Contractor/Operator's name and address: IRS Environmental of Portland, Inc.  
777 SW Armco Ave  
 Street City/State Hillsboro / OR County Washington Zip 97123

Phone: 503-693-6388

3. Waste disposal site: Hillsboro Landfill - Waste Management  
3205 SE Minter Bridge Rd  
 Street City/State Hillsboro, OR County Washington Co Zip 97123

Phone: (503) 640-9427

4. Describe asbestos materials: tile mastic Drywall wall texture

5. Containers: Number: 2 DBL Liner Type: BA - 6 MIL

6. Total quantity (cubic yards): 30 yards

7. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Agent: Diego Sanchez Company: IRS Environmental of Portland, Inc

Address: 777 SW ARMCO AVE, HILLSBORO, OR 97123 Phone: 503-693-6388

## TRANSPORTER(S):

8. Transporter #1: (Acknowledgment of receipt of materials)

Agent: hale Company: River City Environmental

Address: 5410 NE 109th Ave Portland, OR 97220 Phone: 503 252 6144

Signature: [Signature] Date: 11-11-21

9. Transporter #2: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

DISPOSAL: (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: Hillsboro Landfill - Waste Management

Name and Title: HLL - Operator

Date: NOV 11 2021

Signature: [Signature] Phone: (503) 640-9427

11. DISCREPANCY SPACE: (Add attachments as needed)

## Attachment 5

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### Disposal Records



MAUL  
FOSTER  
ALONGI



*Blue Heron*  
Tualatin Valley Waste Recovery, Inc.  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503) 640-9427

Original  
Ticket# 1947601

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 07/28/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest  
Destination  
PO  
Profile ()  
Generator

Carrier ELDER DEMOLITION  
Vehicle# 11  
Container  
Driver mark  
Check#  
Billing # 0001950  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross
In	07/28/2022 08:28:28	Inbound 1	JDRURY		Tare
Out	07/28/2022 08:28:28		JDRURY		Net
					Tons

Comments

Consumer Comments? We want to know! Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CONRB18-Concrete - 100		12.00	Yards	18.90		\$226.80	WASHIN
2 EVF-L-Standard Env 100		1	Load	30.00		\$30.00	

Total Tax  
Total Ticket \$256.80

Driver's Signature



2112  
Tualatin Valley Waste Recovery, Inc.  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503) 640-9427

Original  
Ticket# 1946749

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier ELDER DEMOLITION  
Ticket Date 07/25/2022      Vehicle# 4      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOHN  
Hauling Ticket#      Check#  
Route      Billing # 0001950  
State Waste Code      Gen EPA ID  
Manifest  
Destination      Grid  
PO  
Profile ()  
Generator

	Time	Scale	Operator	Inbound	Gross
In	07/25/2022 12:29:40	Inbound 2	MLAWREN4		Tare
Out	07/25/2022 12:29:40		MLAWREN4		Net
Comments					Tons

Consumer Comments? We want to know! Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 CONRB-Concrete - w 100		10.00	Yards	12.95		\$129.50	WASHIN
2 EVF-L-Standard Env 100		1	Load	30.00		\$30.00	WASHIN

Total Tax  
Total Ticket \$159.50

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649352

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 07/13/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver john  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 12:34:47	Inbound 1	AMARTI22		Tare	72040 lb
Out	07/13/2022 12:34:47		AMARTI22		Net	33280 lb
					Tons	38760 lb
						19.38

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.38	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649330

Customer Name ELDERDEMO ELDER DEMOLITION

Ticket Date 07/13/2022

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest NA

Destination

PO 2112

Profile 1376350R (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL

Vehicle# 7-SOLO

Container

Driver JIM

Check#

Billing # 0002111

Gen EPA ID

Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 11:44:28	Inbound 2	Jarury		Tare	70080 lb
Out	07/13/2022 11:44:28		Jarury		Net	30140 lb
					Tons	39940 lb
						19.97

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.97	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FOEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649367

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 07/13/2022 Vehicle# 6-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DOUG  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 13:13:07	Inbound 1	ecobb		Tare	52860 lb
Out	07/13/2022 13:13:07		ecobb		Net	30240 lb
					Tons	22620 lb
						11.31

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	11.31	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649266

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 07/13/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver JIM  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume



	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 09:13:11	Inbound 1	AMARTI22		Tare	80660 lb
Out	07/13/2022 09:35:28	Outbound	ecobb		Net	30140 lb
					Tons	50520 lb
						25.26

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	25.26	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

5 1648-005  
14/200



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649244

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	07/13/2022	Vehicle#	6-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	na			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	82100 lb
In	07/13/2022 08:23:42	Inbound 1	AMARTI22		Tare	30240 lb
Out	07/13/2022 08:55:33	Outbound	ecobb		Net	51860 lb
					Tons	25.93

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	25.93	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649259

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEAN INNOVATIONS	
Ticket Date	07/13/2022	Vehicle#	3-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JHON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	70680 lb
In	07/13/2022 08:54:14	Inbound 1	AMARTI22		Tare	30140 lb
Out	07/13/2022 09:43:50	Outbound	ecobb		Net	40540 lb
					Tons	20.27

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	20.27	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649303

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	07/13/2022	Vehicle#	6-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

In	Time	Scale	Operator	Inbound	Gross	62160 lb
07/13/2022	10:47:36	Inbound 1	AMARTI22		Tare	30240 lb
Out	07/13/2022	10:47:36	AMARTI22		Net	31920 lb
Comments					Tons	15.96

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.96	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



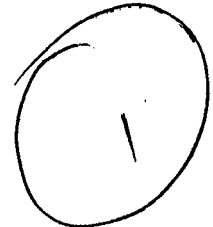
Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649266

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 07/13/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver JIM  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume



	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 09:13:11	Inbound 1	AMARTI22		Tare	80660 lb
Out	07/13/2022 09:35:28	Outbound	ecobb		Net	30140 lb
					Tons	50520 lb
						25.26

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	25.26	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649330

Customer Name ELDERDEMO ELDER DEMOLITION

Ticket Date 07/13/2022

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest NA

Destination

PO 2112

Profile 137635OR (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL

Vehicle# 7-SOLO

Container

Driver JIM

Check#

Billing # 0002111

Gen EPA ID

Volume

Grid

	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 11:44:28	Inbound 2	jdrury		70080 lb	
Out	07/13/2022 11:44:28		jdrury		30140 lb	
					Net	39940 lb
					Tons	19.97

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.97	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649352

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 07/13/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver john  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	72040 lb
In	07/13/2022 12:34:47	Inbound 1	AMARTI22		Tare	33280 lb
Out	07/13/2022 12:34:47		AMARTI22		Net	38760 lb
					Tons	19.38

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.38	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1649367

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 07/13/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver DOUG  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	07/13/2022 13:13:07	Inbound 1	ecobb		Tare	52860 lb
Out	07/13/2022 13:13:07		ecobb		Net	30240 lb
					Tons	22620 lb
						11.31

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	11.31	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646758

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/24/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA      Grid  
Destination  
PO 2112  
Profile 1376350R (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/24/2022 08:22:42	Inbound 1	mramos14		Tare	70840 lb
Out	06/24/2022 08:22:42		mramos14		Net	30280 lb
					Tons	40560 lb
						20.28

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	20.28	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646803

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/24/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DAVID  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/24/2022 10:37:13	Inbound 1	mramos14		Tare	78340 lb
Out	06/24/2022 10:37:13		mramos14		Net	30280 lb
					Tons	48060 lb
						24.03

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	24.03	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646844

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/24/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	DAVID	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168--THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	77480 lb
In	06/24/2022 13:29:56	Inbound 1	mramos14		Tare	30280 lb
Out	06/24/2022 13:29:56		mramos14		Net	47200 lb
					Tons	23.60

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	23.60	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646404

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/22/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JULIO	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA	Grid		
Destination				
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	65480 lb
In	06/22/2022 08:46:59	Inbound 1	AMARTI22		Tare	30280 lb
Out	06/22/2022 08:46:59		AMARTI22		Net	35200 lb
					Tons	17.60

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.60	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646407

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/22/2022	Vehicle#	4-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOE	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA	Grid		
Destination				
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	67300 lb
In	06/22/2022 08:51:36	Inbound 1	AMARTI22		Tare	33280 lb
Out	06/22/2022 08:51:36		AMARTI22		Net	34020 lb
					Tons	17.01

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.01	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646438

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/22/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 2-SOLO  
Container  
Driver DAVID  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	06/22/2022 09:58:15	Inbound 1	mramos14		Tare	72500 lb
Out	06/22/2022 09:58:15		mramos14		Net	32440 lb
					Tons	40060 lb
						20.03

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	20.03	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646458

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/22/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JULIO	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA	Grid		
Destination				
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	84580 lb
In	06/22/2022 11:02:45	Inbound 1	AMARTI22		Tare	30280 lb
Out	06/22/2022 11:02:45		AMARTI22		Net	54300 lb
					Tons	27.15

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	27.15	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646459

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/22/2022	Vehicle#	4-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOE	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	82060 lb
In	06/22/2022 11:15:54	Inbound 1	AMARTI22		Tare	33280 lb
Out	06/22/2022 11:15:54		AMARTI22		Net	48780 lb
					Tons	24.39

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	24.39	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646479

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/22/2022      Vehicle# 2-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOHN  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/22/2022 12:23:10	Inbound 1	AMARTI22		Tare	77700 lb
Out	06/22/2022 12:23:10		AMARTI22		Net	32440 lb
					Tons	45260 lb
						22.63

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	22.63	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646498

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/22/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	julio	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	na			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	81920 lb
In	06/22/2022 13:45:48	Inbound 1	mlawren4		Tare	30280 lb
Out	06/22/2022 13:45:48		mlawren4		Net	51640 lb
					Tons	25.82

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	25.82	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646502

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/22/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver joe  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	83060 lb
In	06/22/2022 13:52:46	Inbound 1	mlawren4		Tare	33280 lb
Out	06/22/2022 13:52:46		mlawren4		Net	49780 lb
					Tons	24.89

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	24.89	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646185

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/21/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA      Grid  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	60060 lb
In	06/21/2022 07:58:54	Inbound 1	AMARTI22		Tare	30280 lb
Out	06/21/2022 07:58:54		AMARTI22		Net	29780 lb
					Tons	14.89

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.89	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646188

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier B and G Excavation  
Ticket Date 06/21/2022      Vehicle# 127-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver MIKE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	55880 lb
In	06/21/2022 08:12:32	Inbound 1	AMARTI22		Tare	28940 lb
Out	06/21/2022 08:12:32		AMARTI22		Net	26940 lb
					Tons	13.47

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	13.47	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646238

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/21/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/21/2022 10:16:26	Inbound 2	mlawren4		Tare	64320 lb
Out	06/21/2022 10:16:26		mlawren4		Net	30280 lb
					Tons	34040 lb
Comments						17.02

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.02	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646252

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	B and G Excavation	
Ticket Date	06/21/2022	Vehicle#	127-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	MIKE	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	57360 lb
In	06/21/2022 10:35:58	Inbound 1	mramos14		Tare	28940 lb
Out	06/21/2022 10:35:58		mramos14		Net	28420 lb
					Tons	14.21

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.21	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646303

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/21/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	DAVID	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	na	Grid		
Destination				
PO	2112			
Profile	1376350R (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	65440 lb
In	06/21/2022 12:36:41	Inbound 1	mlawren4		Tare	30280 lb
Out	06/21/2022 12:36:41		mlawren4		Net	35160 lb
					Tons	17.58

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.58	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646308

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/21/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier B and G Excavation  
Vehicle# 127-SOLO  
Container  
Driver MIKE  
Check#  
Billing # 0002111  
Gen EPA ID  
Volume  
Grid

	Time	Scale	Operator	Inbound	Gross	
In	06/21/2022 12:52:00	Inbound 2	MLAWREN4		Tare	55680 lb
Out	06/21/2022 12:52:00		MLAWREN4		Net	28940 lb
					Tons	26740 lb
						13.37

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	13.37	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646348

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/21/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/21/2022 14:59:35	Inbound 2	MLAWREN4		64920 lb	
Out	06/21/2022 14:59:35		MLAWREN4		30280 lb	
					Net	34640 lb
					Tons	17.32

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.32	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646353

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier B and G Excavation  
Ticket Date 06/21/2022      Vehicle# 127-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver MIKE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA      Grid  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	59260 lb
In	06/21/2022 15:20:15	Inbound 1	AMARTI22		Tare	28940 lb
Out	06/21/2022 15:20:15		AMARTI22		Net	30320 lb
					Tons	15.16

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.16	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645936

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/20/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	58860 lb
In	06/20/2022 08:02:26	Inbound 2	mlawren4		Tare	30280 lb
Out	06/20/2022 08:02:26		mlawren4		Net	28580 lb
					Tons	14.29

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		14.29	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646008

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/20/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 5-SOLO  
Container  
Driver DAVID  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	06/20/2022 10:06:41	Inbound 1	amarti22		Tare	61880 lb
Out	06/20/2022 10:06:41		amarti22		Net	30280 lb
					Tons	31600 lb
						15.80

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.80	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646075

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/20/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DAVID  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/20/2022 12:45:41	Inbound 2	mramos14		65040 lb	
Out	06/20/2022 12:45:41		mramos14		Tare 30280 lb	
					Net 34760 lb	
					Tons 17.38	

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		17.38	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1646140

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/20/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/20/2022 15:23:52	Inbound 1	AMARTI22		Tare	55400 lb
Out	06/20/2022 15:23:52		AMARTI22		Net	30280 lb
					Tons	25120 lb
						12.56

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	12.56	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645761

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/17/2022 Vehicle# 4-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOE  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/17/2022 08:47:45	Inbound 1	AMARTI22		Tare	64660 lb
Out	06/17/2022 08:47:45		AMARTI22		Net	33280 lb
					Tons	31380 lb
						15.69

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.69	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645762

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/17/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JULIO  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/17/2022 08:49:30	Inbound 1	AMARTI22		Tare	61740 lb
Out	06/17/2022 08:49:30		AMARTI22		Net	30140 lb
					Tons	31600 lb
						15.80

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.80	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645814

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/17/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/17/2022 11:08:22	Inbound 1	amarti22		66860 lb	
Out	06/17/2022 11:08:22		amarti22		Tare 33280 lb	
					Net 33580 lb	
					Tons 16.79	

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.79	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645822

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/17/2022      Vehicle# 7-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JULIO  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/17/2022 11:18:02	Inbound 1	amarti22		Tare	61000 lb
Out	06/17/2022 11:18:02		amarti22		Net	30140 lb
					Tons	30860 lb
						15.43

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.43	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645863

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/17/2022	Vehicle#	4-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOE	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	66520 lb
In	06/17/2022 13:38:21	Inbound 1	AMARTI22		Tare	33280 lb
Out	06/17/2022 13:38:21		AMARTI22		Net	33240 lb
					Tons	16.62

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.62	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645870

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/17/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver julio  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/17/2022 13:52:57	Inbound 1	AMARTI22		Tare	63800 lb
Out	06/17/2022 13:52:57		AMARTI22		Net	30140 lb
					Tons	33660 lb
						16.83

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.83	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645349

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/14/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/14/2022 11:00:42	Inbound 1	amarti22		Tare	61380 lb
Out	06/14/2022 11:00:42		amarti22		Net	33280 lb
					Tons	28100 lb
						14.05

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.05	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645346

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/14/2022      Vehicle# 7-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/14/2022 10:52:18	Inbound 2	mlawren4		Tare	49780 lb
Out	06/14/2022 10:52:18		mlawren4		Net	30140 lb
					Tons	19640 lb
						9.82

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	9.82	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645344

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	06/14/2022	Vehicle#	5-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	62700 lb
In	06/14/2022 10:48:12	Inbound 1	amarti22		Tare	30280 lb
Out	06/14/2022 10:48:12		amarti22		Net	32420 lb
					Tons	16.21


Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.21	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645304

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	06/14/2022	Vehicle#	4-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	joe	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	na			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	55960 lb
In	06/14/2022 08:36:34	Inbound 1	amarti22		Tare	33280 lb
Out	06/14/2022 08:36:34		amarti22		Net	22680 lb
					Tons	11.34

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	11.34	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645302

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/14/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DAVID  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/14/2022 08:33:30	Inbound 2	mlawren4		57780 lb	
Out	06/14/2022 08:33:30		mlawren4		Tare 30140 lb	
					Net 27640 lb	
					Tons 13.82	

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	13.82	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645301

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/14/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver alton  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/14/2022 08:32:24	Inbound 1	amarti22		Tare	60840 lb
Out	06/14/2022 08:32:24		amarti22		Net	30280 lb
					Tons	30560 lb
Comments						15.28

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.28	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645235

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 13:16:00	Inbound 1	AMARTI22		Tare	62320 lb
Out	06/13/2022 13:16:00		AMARTI22		Net	33280 lb
					Tons	29040 lb
						14.52

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.52	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645227

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022      Vehicle# 2-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DAVID  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 12:48:06	Inbound 1	mramos14		Tare	62960 lb
Out	06/13/2022 12:48:06		mramos14		Net	32440 lb
					Tons	30520 lb
						15.26

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.26	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surchar	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645226

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DAVID  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na Grid  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 12:46:17	Inbound 2	mlawren4		55300 lb	
Out	06/13/2022 12:46:17		mlawren4		30280 lb	
					Net	25020 lb
					Tons	12.51

Comments.

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	12.51	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645202

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022 Vehicle# 4-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver joe  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 10:41:34	Inbound 1	AMARTI22		Tare	61000 lb
Out	06/13/2022 10:41:34		AMARTI22		Net	33280 lb
					Tons	27720 lb
						13.86

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		13.86	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645196

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022      Vehicle# 2-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver john  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 10:25:46	Inbound 1	AMARTI22		Tare	63500 lb
Out	06/13/2022 10:25:46		AMARTI22		Net	32440 lb
					Tons	31060 lb
						15.53

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.53	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645194

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/13/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest na  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 5-SOLO  
Container  
Driver alton  
Check#  
Billing # 0002111  
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 10:21:08	Inbound 2	mlawren4		Tare	62400 lb
Out	06/13/2022 10:21:08		mlawren4		Net	30280 lb
					Tons	32120 lb
						16.06

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		16.06	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645156

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	58500 lb
In	06/13/2022 08:22:09	Inbound 1	AMARTI22		Tare	33280 lb
Out	06/13/2022 08:22:09		AMARTI22		Net	25220 lb
					Tons	12.61

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	12.61	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645155

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver ~ ALTOM  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 08:15:09	Inbound 1	AMARTI22		Tare	56620 lb
Out	06/13/2022 08:15:09		AMARTI22		Net	30280 lb
					Tons	26340 lb
						13.17

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	13.17	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645152

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/13/2022 Vehicle# 2-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOHN  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/13/2022 08:05:19	Inbound 1	AMARTI22		58240 lb	
Out	06/13/2022 08:05:19		AMARTI22		32440 lb	
					Net	25800 lb
					Tons	12.90

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		12.90	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharge 100			%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645086

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/10/2022      Vehicle# 6-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver DOUG  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/10/2022 12:26:18	Inbound 1	mlawren4		Tare	61440 lb
Out	06/10/2022 12:26:18		mlawren4		Net	30220 lb
					Tons	31220 lb
						15.61

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.61	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645069

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/10/2022	Vehicle#	2-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	DAVID	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/10/2022 11:13:42	Inbound 1	mramos14		Tare	63540 lb
Out	06/10/2022 11:13:42		mramos14		Net	32440 lb
					Tons	31100 lb
						15.55

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.55	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645066

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/10/2022      Vehicle# 4-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOE  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/10/2022 10:59:58	Inbound 1	amarti22		Tare	63320 lb
Out	06/10/2022 10:59:58		amarti22		Net	33280 lb
					Tons	30040 lb
						15.02

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.02	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645052

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/10/2022	Vehicle#	6-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	59580 lb
In	06/10/2022 10:06:01	Inbound 2	mlawren4		Tare	30220 lb
Out	06/10/2022 10:06:01		mlawren4		Net	29360 lb
					Tons	14.68

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.68	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645017

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/10/2022 Vehicle# 4-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOE  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/10/2022 08:29:44	Inbound 1	amarti22		Tare	62320 lb
Out	06/10/2022 08:51:07	Outbound	amarti22		Net	33280 lb
					Tons	29040 lb
						14.52

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.52	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645016

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/10/2022      Vehicle# 2-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOHN  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/10/2022 08:27:53	Inbound 1	amarti22		Tare	60500 lb
Out	06/10/2022 08:27:53		amarti22		Net	32440 lb
					Tons	28060 lb
						14.03

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.03	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1645011

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/10/2022	Vehicle#	6-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

In	Time	Scale	Operator	Inbound	Gross	56760 lb
06/10/2022	08:04:58	Inbound 1	amarti22		Tare	30220 lb
Out	06/10/2022 08:04:58		amarti22		Net	26540 lb
					Tons	13.27

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	13.27	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644971

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/09/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver ALTON  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	06/09/2022 13:30:44	Inbound 1	amarti22		51740 lb	
Out	06/09/2022 13:30:44		amarti22		30220 lb	
					Net	21520 lb
					Tons	10.76

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	10.76	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644970

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/09/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver john  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na      Grid  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	65600 lb
In	06/09/2022 13:22:12	Inbound 1	amarti22		Tare	30280 lb
Out	06/09/2022 13:22:12		amarti22		Net	35320 lb
					Tons	17.66

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.66	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644942

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/09/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest na  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver alton  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	06/09/2022 11:00:57	Inbound 2	mlawren4		Tare	60700 lb
Out	06/09/2022 11:00:57		mlawren4		Net	30220 lb
					Tons	30480 lb
						15.24

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.24	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644937

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/09/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOHN	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	59360 lb
In	06/09/2022 10:53:15	Inbound 1	AMARTI22		Tare	30280 lb
Out	06/09/2022 10:53:15		AMARTI22		Net	29080 lb
					Tons	14.54

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.54	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644902

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/09/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOHN	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/09/2022 08:32:03	Inbound 1	AMARTI22		Tare	57980 lb
Out	06/09/2022 08:32:03		AMARTI22		Net	30280 lb
					Tons	27700 lb
						13.85

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP SPWPCS-	100	13.85	Tons			CLACK-IN
2	EVF-P-Standard Env	100	%				
3	FUEL-Fuel Surchar	100	%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644436

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/03/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JIM  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/03/2022 11:20:56	Inbound 2	mlawren4		Tare	56940 lb
Out	06/03/2022 11:20:56		mlawren4		Net	30140 lb
					Tons	26800 lb
						13.40

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	13.40	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surchar	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644430

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/03/2022 Vehicle# 2-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOHN  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/03/2022 11:05:17	Inbound 1	AMARTI22		Tare	70620 lb
Out	06/03/2022 11:05:17		AMARTI22		Net	32440 lb
					Tons	38180 lb
						19.09

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.09	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644396

Customer Name ELDERDEMO ELDER DEMOLITION

Ticket Date 06/03/2022

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest NA

Destination

PO 2112

Profile 137635OR (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL

Vehicle# 7-SOLO

Container

Driver JIM

Check#

Billing # 0002111

Gen EPA ID

Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	06/03/2022 08:34:53	Inbound 2	mlawren4		Tare	65600 lb
Out	06/03/2022 08:34:53		mlawren4		Net	30140 lb
					Tons	35460 lb
						17.73

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.73	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644394

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/03/2022      Vehicle# 2-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver john  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/03/2022 08:28:26	Inbound 1	amarti22		Tare	64600 lb
Out	06/03/2022 08:45:41	Outbound	amarti22		Net	32440 lb
					Tons	32160 lb
						16.08

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.08	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

X





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644339

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/02/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver JIM  
Check#  
Billing # 0002111  
Gen EPA ID  
Volume  
Grid

	Time	Scale	Operator	Inbound	Gross	
In	06/02/2022 13:12:46	Inbound 1	mramos14		58680 lb	
Out	06/02/2022 13:12:46		mramos14		30140 lb	
					Net	28540 lb
					Tons	14.27

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.27	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644334

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	06/02/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	DAVID	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/02/2022 12:53:51	Inbound 1	mramos14		Tare	64280 lb
Out	06/02/2022 12:53:51		mramos14		Net	30280 lb
					Tons	34000 lb
						17.00

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.00	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644311

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	06/02/2022	Vehicle#	5-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOHN	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	58980 lb
In	06/02/2022 10:43:49	Inbound 1	amarti22		Tare	30280 lb
Out	06/02/2022 10:43:49		amarti22		Net	28700 lb
					Tons	14.35

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.35	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644309

Customer Name ELDERDEMO ELDER DEMOLITION

Carrier DEANS COMMERCIAL

Ticket Date 06/02/2022

Vehicle# 7-SOLO

Volume

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Check#

Route

Billing # 0002111

State Waste Code

Gen EPA ID

Manifest NA

Destination

Grid

PO 2112

Profile 137635OR (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	61220 lb
In	06/02/2022 10:30:26	Inbound 1	amarti22		Tare	30140 lb
Out	06/02/2022 10:30:26		amarti22		Net	31080 lb
					Tons	15.54

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.54	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644283

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 06/02/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver john  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/02/2022 08:31:54	Inbound 1	AMARTI22		Tare	62740 lb
Out	06/02/2022 08:31:54		AMARTI22		Net	30280 lb
					Tons	32460 lb
						16.23

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		16.23	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644278

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 06/02/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume  
(1)

	Time	Scale	Operator	Inbound	Gross	
In	06/02/2022 08:20:10	Inbound 1	AMARTI22		Tare	63180 lb
Out	06/02/2022 08:20:10		AMARTI22		Net	30140 lb
					Tons	33040 lb
						16.52

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		16.52	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644217

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/01/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA Grid  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/01/2022 14:22:21	Inbound 1	AMARTI22		Tare	56120 lb
Out	06/01/2022 14:22:21		AMARTI22		Net	30140 lb
					Tons	25980 lb
						12.99

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	12.99	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644182

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/01/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/01/2022 11:49:18	Inbound 1	amarti22		59500 lb	
Out	06/01/2022 11:49:18		amarti22		30140 lb	
					Net	29360 lb
					Tons	14.68

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.68	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surchar	100		%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1644155

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 06/01/2022 Vehicle# 7-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JIM  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	06/01/2022 09:34:17	Inbound 2	mlawren4		58040 lb	
Out	06/01/2022 09:34:17		mlawren4		30140 lb	
					Net	27900 lb
					Tons	13.95

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		13.95	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Driver's Signature

Total Tax  
Total Ticket



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643846

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/27/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver DOUG  
Check#  
Billing # 0002111  
Gen EPA ID  
Volume  
Grid

	Time	Scale	Operator	Inbound	Gross	
In	05/27/2022 12:43:25	Inbound 2	EDESMART		Tare	68740 lb
Out	05/27/2022 12:43:25		EDESMART		Net	30220 lb
					Tons	38520 lb
						19.26

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.26	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643839

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 05/27/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOHN  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/27/2022 12:21:46	Inbound 1	AMARTI22		Tare	67220 lb
Out	05/27/2022 12:21:46		AMARTI22		Net	30280 lb
					Tons	36940 lb
						18.47

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	18.47	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643813

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/27/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver DOUG  
Check#  
Billing # 0002111  
Gen EPA ID  
Volume  
Grid

	Time	Scale	Operator	Inbound	Gross	
In	05/27/2022 10:15:51	Inbound 2	EDESMART		Tare	71600 lb
Out	05/27/2022 10:15:51		EDESMART		Net	30220 lb
					Tons	41380 lb
						20.69

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	20.69	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643811

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 05/27/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver john  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/27/2022 10:02:51	Inbound 1	amarti22		Tare	71220 lb
Out	05/27/2022 10:02:51		amarti22		Net	30280 lb
					Tons	40940 lb
						20.47

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	20.47	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643775

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/27/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver ALTON  
Check#  
Billing # 0002111  
Gen EPA ID  
Volume  
Grid

①

	Time	Scale	Operator	Inbound	Gross	
In	05/27/2022 08:19:54	Inbound 1	amarti22		Tare	64560 lb
Out	05/27/2022 08:19:54		amarti22		Net	30220 lb
					Tons	34340 lb
						17.17

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	17.17	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

①

Original  
Ticket# 1643767

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 05/27/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOHN  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/27/2022 08:06:16	Inbound 1	amarti22		Tare	63040 lb
Out	05/27/2022 08:06:16		amarti22		Net	30280 lb
					Tons	32760 lb
						16.38

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.38	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643576

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 05/25/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DAVID  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	56040 lb
In	05/25/2022 12:49:30	Inbound 1	mlawren4		Tare	30280 lb
Out	05/25/2022 12:49:30		mlawren4		Net	25760 lb
					Tons	12.88

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	12.88	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643573

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver JIM  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 12:33:29	Inbound 2	EDESMART		Tare	57900 lb
Out	05/25/2022 12:33:29		EDESMART		Net	30140 lb
					Tons	27760 lb
						13.88

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		13.88	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharh 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643568

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest na  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver alton  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

③

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 12:21:13	Inbound 1	amarti22		Tare	60440 lb
Out	05/25/2022 12:21:13		amarti22		Net	30220 lb
					Tons	30220 lb
						15.11

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	15.11	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643546

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 05/25/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver JOHN  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest NA  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 10:43:01	Inbound 1	AMARTI22		Tare	64000 lb
Out	05/25/2022 10:43:01		AMARTI22		Net	30280 lb
					Tons	33720 lb
						16.86

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		16.86	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

①

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643540

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver JIM  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

2

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 10:27:17	Inbound 2	EDESMART		Tare	63640 lb
Out	05/25/2022 10:27:17		EDESMART		Net	30140 lb
					Tons	33800 lb
						16.75

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	16.75	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X




Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643534

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver DOUG  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume



	Time	Scale	Operator	Inbound	Gross	59120 lb
In	05/25/2022 10:12:47	Inbound 2	EDESMART		Tare	30220 lb
Out	05/25/2022 10:12:47		EDESMART		Net	28900 lb
					Tons	14.45


Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	14.45	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643493

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 7-SOLO  
Container  
Driver JIM  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 08:28:50	Inbound 2	EDESMART		Tare	54220 lb
Out	05/25/2022 08:28:50		EDESMART		Net	30140 lb
					Tons	24080 lb
						12.04

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	12.04	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643492

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest na  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 5-SOLO  
Container  
Driver John  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 08:27:28	Inbound 1	amarti22			51520 lb
Out	05/25/2022 08:27:28		amarti22		Tare	30280 lb
					Net	21240 lb
					Tons	10.62

Comments


Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	10.62	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

①

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643488

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/25/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest na  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver Alton  
Check#  
Billing # 0002111  
Gen EPA ID

Volume

Grid

1

	Time	Scale	Operator	Inbound	Gross	
In	05/25/2022 08:10:01	Inbound 1	amarti22		Tare	53520 lb
Out	05/25/2022 08:10:01		amarti22		Net	30220 lb
					Tons	23300 lb
						11.65

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	11.65	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

X





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643015

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/19/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 5-SOLO  
Container  
Driver  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume

6

	Time	Scale	Operator	Inbound	Gross	
In	05/19/2022 10:40:49	Inbound 2	EDESMART		Tare	61900 lb
Out	05/19/2022 10:40:49		EDESMART		Net	30280 lb
					Tons	31620 lb
						15.81

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.81	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

X

✓ MB



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1643014

Customer Name ELDERDEMO ELDER DEMOLITION

Ticket Date 05/19/2022

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest NA

Destination

PO 2112

Profile 137635OR (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL

Vehicle# 6-SOLO

Container

Driver DOUG

Check#

Billing # 0002111

Gen EPA ID

Grid

Volume

	Time	Scale	Operator	Inbound	Gross	
In	05/19/2022 10:39:44	Inbound 2	EDESMART		Tare	61120 lb
Out	05/19/2022 10:39:44		EDESMART		Net	30220 lb
					Tons	30900 lb
						15.45

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.45	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

X

M



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1642989

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	05/19/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	DAVID	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	
In	05/19/2022 08:38:34	Inbound 2	EDESMART		Tare	60920 lb
Out	05/19/2022 08:38:34		EDESMART		Net	30280 lb
					Tons	30640 lb
						15.32

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.32	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1642985

Customer Name ELDERDEMO ELDER DEMOLITION

Ticket Date 05/19/2022

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest NA

Destination

PO 2112

Profile 137635OR (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL

Vehicle# 6-SOLO

Container

Driver DOUG

Check#

Billing # 0002111

Gen EPA ID

Volume

1

Grid

	Time	Scale	Operator	Inbound	Gross	
In	05/19/2022 08:27:41	Inbound 2	EDESMART		Tare	62200 lb
Out	05/19/2022 08:27:41		EDESMART		Net	30220 lb
					Tons	31980 lb
						15.99

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		15.99	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature

*[Handwritten signature]*

*[Handwritten signature]*



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1642034

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	05/10/2022	Vehicle#	5-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	na			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	76360 lb
In	05/10/2022 10:53:42	Inbound 1	amarti22		Tare	30280 lb
Out	05/10/2022 10:53:42		amarti22		Net	46080 lb
					Tons	23.04

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		23.04	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641991

Customer Name ELDERDEMO ELDER DEMOLITION      Carrier DEANS COMMERCIAL  
Ticket Date 05/10/2022      Vehicle# 5-SOLO      Volume  
Payment Type Credit Account      Container  
Manual Ticket#      Driver ALTON  
Hauling Ticket#      Check#  
Route      Billing # 0002111  
State Waste Code      Gen EPA ID  
Manifest na  
Destination      Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/10/2022 08:30:21	Inbound 1	amarti22			74620 lb
Out	05/10/2022 08:30:21		amarti22		Tare	30280 lb
					Net	44340 lb
					Tons	22.17

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		22.17	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641946

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 05/09/2022 Vehicle# 5-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver JOHN  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/09/2022 15:30:57	Inbound 1	AMARTI22		Tare	80400 lb
Out	05/09/2022 15:30:57		AMARTI22		Net	30280 lb
					Tons	50120 lb
						25.06

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		25.06	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641908

Customer Name ELDERDEMO ELDER DEMOLITION Carrier DEANS COMMERCIAL  
Ticket Date 05/09/2022 Vehicle# 6-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver NICK  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest na  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/09/2022 13:25:12	Inbound 1	AMARTI22		80220 lb	
Out	05/09/2022 13:25:12		AMARTI22		Tare 30220 lb	
					Net 50000 lb	
					Tons 25.00	

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		25.00	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641901

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	05/09/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOHN	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	74920 lb
In	05/09/2022 13:04:26	Inbound 1	AMARTI22		Tare	30280 lb
Out	05/09/2022 13:04:26		AMARTI22		Net	44640 lb
					Tons	22.32

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		22.32	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				CLACK-IN
3 FUEL-Fuel Surcharg 100			%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature

X



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641876

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	05/09/2022	Vehicle#	6-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	NICK	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	68780 lb
In	05/09/2022 10:59:16	Inbound 1	amarti22		Tare	30220 lb
Out	05/09/2022 10:59:16		amarti22		Net	38560 lb
					Tons	19.28

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	19.28	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641828

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	05/09/2022	Vehicle#	5-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JOHN	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	74240 lb
In	05/09/2022 08:39:50	Inbound 1	amarti22		Tare	30280 lb
Out	05/09/2022 09:02:00	Outbound	amarti22		Net	43960 lb
					Tons	21.98

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	21.98	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641824

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	
Ticket Date	05/09/2022	Vehicle#	6-SOLO	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	NICK	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE			419 MA

	Time	Scale	Operator	Inbound	Gross	73480 lb
In	05/09/2022 08:32:47	Inbound 1	amarti22		Tare	30220 lb
Out	05/09/2022 08:32:47		amarti22		Net	43260 lb
					Tons	21.63

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		21.63	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641741

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	05/06/2022	Vehicle#	6-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	JIM	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

3

	Time	Scale	Operator	Inbound	Gross	77280 lb
In	05/06/2022 13:05:22	Inbound 1	mramos14		Tare	30220 lb
Out	05/06/2022 13:05:22		mramos14		Net	47060 lb
					Tons	23.53

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	23.53	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641725

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	PRESTO HOMES INC DUMP TRUCK
Ticket Date	05/06/2022	Vehicle#	77-SOLO
Payment Type	Credit Account	Container	Volume
Manual Ticket#		Driver	GAVINO
Hauling Ticket#		Check#	
Route		Billing #	0002111
State Waste Code		Gen EPA ID	
Manifest	NA		
Destination		Grid	
PO	2112		
Profile	137635OR (Water Filtration Sediment)		
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA		

	Time	Scale	Operator	Inbound	Gross	
In	05/06/2022 11:14:24	Inbound 2	mramos14		Tare	79460 lb
Out	05/06/2022 11:14:24		mramos14		Net	28860 lb
					Tons	50600 lb
						25.30

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	25.30	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature

\*



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641721

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	05/06/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	81540 lb
In	05/06/2022 11:08:32	Inbound 2	mramos14		Tare	30400 lb
Out	05/06/2022 11:08:32		mramos14		Net	51140 lb
					Tons	25.57

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	25.57	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641709

Customer Name ELDERDEMO ELDER DEMOLITION  
Ticket Date 05/06/2022  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest NA  
Destination  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL  
Vehicle# 6-SOLO  
Container  
Driver DOUG  
Check#  
Billing # 0002111  
Gen EPA ID  
Grid

Volume  
2

	Time	Scale	Operator	Inbound	Gross	
In	05/06/2022 10:51:49	Inbound 1	AMARTI22		Tare	76160 lb
Out	05/06/2022 10:51:49		AMARTI22		Net	30220 <del>15</del>
					Tons	45940 lb
						22.97

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS- 100		22.97	Tons				CLACK-IN
2 EVF-P-Standard Env 100			%				
3 FUEL-Fuel Surcharg 100			%				

Total Tax  
Total Ticket

Driver's Signature

X





Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641685

Customer Name	ELDERDEMO ELDER DEMOLITION	Carrier	DEANS COMMERCIAL	Volume
Ticket Date	05/06/2022	Vehicle#	5-SOLO	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver	ALTON	
Hauling Ticket#		Check#		
Route		Billing #	0002111	
State Waste Code		Gen EPA ID		
Manifest	NA			
Destination		Grid		
PO	2112			
Profile	137635OR (Water Filtration Sediment)			
Generator	168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA			

	Time	Scale	Operator	Inbound	Gross	78380 lb
In	05/06/2022 09:01:59	Inbound 1	amarti22		Tare	30400 lb
Out	05/06/2022 09:01:59		amarti22		Net	47980 lb
					Tons	23.99

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	23.99	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641682

Customer Name ELDERDEMO ELDER DEMOLITION Carrier PRESTO HOMES INC DUMP TRUCK  
Ticket Date 05/06/2022 Vehicle# 77-SOLO Volume  
Payment Type Credit Account Container  
Manual Ticket# Driver DAN  
Hauling Ticket# Check#  
Route Billing # 0002111  
State Waste Code Gen EPA ID  
Manifest NA  
Destination Grid  
PO 2112  
Profile 137635OR (Water Filtration Sediment)  
Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

	Time	Scale	Operator	Inbound	Gross	
In	05/06/2022 08:52:11	Inbound 1	amarti22		Tare	78500 lb
Out	05/06/2022 09:17:21	Outbound	amarti22		Net	28860 lb
					Tons	49640 lb
						24.82

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	24.82	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				
3 FUEL-Fuel Surcharg	100		%				

Total Tax  
Total Ticket

Driver's Signature



Hillsboro Landfill, Inc  
3205 SE Minter Bridge  
Hillsboro, OR, 97123  
Ph: (503)-640-9427

Original  
Ticket# 1641674

Customer Name ELDERDEMO ELDER DEMOLITION

Ticket Date 05/06/2022

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest NA

Destination

PO 2112

Profile 137635OR (Water Filtration Sediment)

Generator 168-THE CONFEDERATED TRIBES OF THE CONFEDERATED TRIBES OF GRAND RONDE 419 MA

Carrier DEANS COMMERCIAL

Vehicle# 6-SOLO

Container

Driver DOUG

Check#

Billing # 0002111

Gen EPA ID

Volume



Grid

	Time	Scale	Operator	Inbound	Gross	
In	05/06/2022 08:36:20	Inbound 1	amarti22			73140 lb
Out	05/06/2022 08:36:20		amarti22		Tare	30220 lb
					Net	42920 lb
					Tons	21.46

Comments

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP SPWPCS-	100	21.46	Tons				CLACK-IN
2 EVF-P-Standard Env	100		%				CLACK-IN
3 FUEL-Fuel Surcharg	100		%				CLACK-IN

Total Tax  
Total Ticket

Driver's Signature



**OREGON CITY  
GARBAGE**  
Company, Inc.

**OREGON CITY GARBAGE**  
P.O. BOX 1840  
OREGON CITY, OR 97045  
503-656-8403  
WWW.OREGONCITYGARBAGECO.COM

ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		6400 SE 101ST AVE STE 201		3921776	5/11/22	5/21/22
DATE	QTY	REFERENCE	DESCRIPTION			BALANCE
5/9/22	1.00	1081183	419 MAIN ST METRO TRANS FEE			\$2.75
5/9/22	1.00	1081183	DAILY RENT			\$7.00
5/9/22	1.00	1081183	40 YARD ROLLOFF EMPTY RETURN			\$172.00
5/9/22	11.06	1081183 - Material Ref 193383	WASTE DISPOSAL			\$1,486.69
<u>SUMMARY</u>						
PREVIOUS BALANCE						\$26,651.28
PAYMENT/CREDITS						(\$12,258.78)
NEW CHARGES						\$1,668.44
TOTAL BALANCE DUE						\$16,060.94
CURRENT		0-30 DAYS	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	PAY THIS AMOUNT
\$ 16,060.94		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 16,060.94

#### ACCOUNTS DUE BY THE 15TH OF THE MONTH

Terms: Oregon City Garbage Co., reserves the right to accrue finance charges on any past due balance and there is a \$20.00 charge for any returned payment. Please return your invoice stub with your payment or write your account number on your check.

PLEASE RETURN THIS PORTION WITH PAYMENT



**OREGON CITY  
GARBAGE**  
Company, Inc.

**OREGON CITY GARBAGE**  
P.O. BOX 1840  
OREGON CITY, OR 97045  
503-656-8403

If paying by one of these credit cards, please enter the information on the reverse		
DUE DATE 5/21/22	ACCOUNT NO 31208009	AMOUNT <b>\$ 16,060.94</b>
INVOICE NO 3921776	AMOUNT ENCLOSED \$	

ELDER DEMOLITION INC  
6400 SE 101ST AVE STE 201  
PORTLAND, OR 97266

OREGON CITY GARBAGE  
P.O. BOX 1840  
OREGON CITY, OR 97045



**OREGON CITY  
GARBAGE**  
Company, Inc.

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P.O. BOX 1840

OREGON CITY, OR 97045

503-656-8403

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ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		6400 SE 101ST AVE STE 201		3922018	5/18/22	5/28/22
DATE	QTY	REFERENCE	DESCRIPTION			BALANCE
5/12/22	1.00	1081735	419 MAIN ST METRO TRANS FEE			\$2.75
5/12/22	1.00	1081735	40 YARD ROLLOFF EMPTY RETURN			\$172.00
5/12/22	8.59	1081735 - Material Ref 5055652	WASTE DISPOSAL			\$1,154.67
			<u>SUMMARY</u>			
			PREVIOUS BALANCE			\$16,060.94
			PAYMENT/CREDITS			\$0.00
			NEW CHARGES			\$1,329.42
			TOTAL BALANCE DUE			\$17,390.36
CURRENT		0-30 DAYS	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	PAY THIS AMOUNT
\$ 13,938.34		\$ 3,452.02	\$ 0.00	\$ 0.00	\$ 0.00	\$ 17,390.36

**ACCOUNTS DUE BY THE 15TH OF THE MONTH**

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**OREGON CITY GARBAGE CO., INC.**

P.O. BOX 1840

OREGON CITY, OR 97045

503.656.8403

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ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		419 MAIN ST		3934317	05/31/2022	6/15/2022
DATE	QTY	REFERENCE	DESCRIPTION			BALANCE
			<b>419 MAIN ST</b>			
05/31/2022	1	3922018	LATE FEE			\$19.94
05/18/2022	11.45	083048 - MATERIAL REF 5061646	WASTE DISPOSAL			\$1,539.11
05/18/2022	1	1083048	METRO TRANS FEE			\$2.75
05/18/2022	1	1083048	40 YARD ROLLOFF EMPTY RETURN			\$172.00
			<b>SUMMARY</b>			
			PREVIOUS BALANCE			\$17,390.36
			PAYMENTS/CREDITS			(\$16,060.94)
			NEW CHARGES			\$1,733.80
			TOTAL BALANCE DUE			\$3,063.22
						
CURRENT	0-30 DAYS	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	PAY THIS AMOUNT	
3,063.22	0.00	0.00	0.00	0.00	\$3,063.22	

**ACCOUNTS DUE BY THE 15TH OF THE MONTH UNLESS PAST DUE WHICH ARE DUE UPON RECEIPT**

Terms: Oregon City Garbage Co., Inc. reserves the right to accrue finance charges on any past due balance and there is a \$25.00 charge for any returned payment. Please return your invoice stub with your payment or write your account number on your check.

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**OREGON CITY  
GARBAGE CO., INC.**

P.O. BOX 1840

OREGON CITY, OR 97045

DUE DATE	ACCOUNT NUMBER	AMOUNT
6/15/2022	31208009	\$3,063.22
INVOICE #	Amount Enclosed \$	
3934317		

☐ Check box if paying by Credit Card or if you changed your billing address on the reverse

11129 1 AB 0.461 26/91 011238 0001:0001



ELDER DEMOLITION INC  
6400 SE 101ST AVE STE 201  
PORTLAND OR 97266-5142



OREGON CITY GARBAGE CO., INC.  
PO BOX 1840  
OREGON CITY OR 97045-0003

0103120800903063227



**OREGON CITY  
GARBAGE**  
Company, Inc.

**OREGON CITY GARBAGE**

P.O. BOX 1840

OREGON CITY, OR 97045

503-656-8403

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ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		6400 SE 101ST AVE STE 201		3940633	6/8/22	6/18/22
DATE	QTY	REFERENCE	DESCRIPTION			BALANCE
6/6/22	1.00	1084564	419 MAIN ST METRO TRANS FEE			\$2.75
6/6/22	1.00	1084564	DAILY RENT			\$7.00
6/6/22	1.00	1084564	40 YARD ROLLOFF EMPTY RETURN			\$172.00
6/6/22	8.68	1084564 - Material Ref 5081263	WASTE DISPOSAL			\$1,166.77
5/31/22	1.00	1083865	METRO TRANS FEE			\$2.75
5/31/22	5.00	1083865	DAILY RENT			\$35.00
5/31/22	1.00	1083865	40 YARD ROLLOFF EMPTY RETURN			\$172.00
5/31/22	4.84	1083865 - Material Ref 5075388	WASTE DISPOSAL			\$650.59
			<b><u>SUMMARY</u></b>			
			PREVIOUS BALANCE			\$3,063.22
			PAYMENT/CREDITS			(\$1,329.42)
			NEW CHARGES			\$2,208.86
			TOTAL BALANCE DUE			\$3,942.66

**ACCOUNTS DUE BY THE 15TH OF THE MONTH**

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**OREGON CITY  
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ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		6400 SE 101ST AVE STE 201		3991543	8/3/22	8/13/22
DATE	QTY	REFERENCE	DESCRIPTION			BALANCE
<b>419 MAIN ST</b>						
7/29/22	1.00	1092958	METRO TRANS FEE			\$4.25
7/29/22	1.00	1092960	METRO TRANS FEE			\$4.25
7/29/22	1.00	1092958	40 YARD ROLLOFF EMPTY RETURN			\$172.00
7/29/22	1.00	1092960	40 YARD ROLLOFF EMPTY RETURN			\$172.00
7/29/22	6.81	1092960 - Material Ref 5137458	WASTE DISPOSAL			\$966.75
7/29/22	7.44	1092958 - Material Ref 5137471	WASTE DISPOSAL			\$1,056.18
<b>SUMMARY</b>						
PREVIOUS BALANCE						\$55.00
PAYMENT/CREDITS						\$0.00
NEW CHARGES						\$2,375.43
<b>TOTAL BALANCE DUE</b>						<b>\$2,430.43</b>
CURRENT		0-30 DAYS	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	<b>PAY THIS AMOUNT</b>
\$ 2,430.43		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	<b>\$ 2,430.43</b>

#### ACCOUNTS DUE BY THE 15TH OF THE MONTH

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P.O. BOX 1840  
OREGON CITY, OR 97045  
503-656-8403

If paying by one of these credit cards, please enter the information on the reverse

DUE DATE 8/13/22	ACCOUNT NO 31208009	AMOUNT <b>\$ 2,430.43</b>
INVOICE NO 3991543	AMOUNT ENCLOSED \$	

ELDER DEMOLITION INC  
6400 SE 101ST AVE STE 201  
PORTLAND, OR 97266

OREGON CITY GARBAGE  
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OREGON CITY, OR 97045

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ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		6400 SE 101ST AVE STE 201		3899133	4/20/22	4/30/22
DATE	QTY	REFERENCE	DESCRIPTION	BALANCE		
<b>419 MAIN ST</b>						
4/19/22	1.00	1078775	METRO TRANS FEE		\$2.75	
4/19/22	1.00	1078776	METRO TRANS FEE		\$2.75	
4/19/22	1.00	1078775	40 YARD ROLLOFF EMPTY RETURN		\$172.00	
4/19/22	1.00	1078776	40 YARD ROLLOFF EMPTY RETURN		\$172.00	
4/19/22	8.22	1078775 - Material Ref 5034350	WASTE DISPOSAL		\$1,104.93	
4/19/22	10.96	1078776 - Material Ref 5034346	WASTE DISPOSAL		\$1,473.24	
4/14/22	1.00	1078771	METRO TRANS FEE		\$2.75	
4/14/22	1.00	1078772	METRO TRANS FEE		\$2.75	
4/14/22	1.00	1078773	METRO TRANS FEE		\$2.75	
4/14/22	1.00	1078774	METRO TRANS FEE		\$2.75	
4/14/22	1.00	1078771	40 YARD ROLLOFF EMPTY RETURN		\$172.00	
4/14/22	1.00	1078772	40 YARD ROLLOFF EMPTY RETURN		\$172.00	
4/14/22	1.00	1078773	40 YARD ROLLOFF EMPTY RETURN		\$172.00	
4/14/22	1.00	1078774	40 YARD ROLLOFF EMPTY RETURN		\$172.00	
4/14/22	6.99	1078774 - Material Ref 5030153	WASTE DISPOSAL		\$939.60	

**ACCOUNTS DUE BY THE 15TH OF THE MONTH**

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**COPY**

ACCOUNT NO		BILLING ADDRESS		INVOICE NO	INVOICE DATE	DUE DATE
31208009		6400 SE 101ST AVE STE 201		3898950	4/14/22	4/24/22
DATE	QTY	REFERENCE	DESCRIPTION			BALANCE
419 MAIN ST						
04/13/2022	1.00	1078151	METRO TRANS FEE			\$2.75
04/13/2022	1.00	1078152	METRO TRANS FEE			\$2.75
04/13/2022	1.00	1078153	METRO TRANS FEE			\$2.75
04/13/2022	10.00	1078151	DAILY RENT			\$70.00
04/13/2022	1.00	1078151	40 YARD ROLLOFF EMPTY RETURN			\$172.00
04/13/2022	1.00	1078152	40 YARD ROLLOFF EMPTY RETURN			\$172.00
04/13/2022	1.00	1078153	40 YARD ROLLOFF EMPTY RETURN			\$172.00
04/13/2022	6.59	1078151 - Material Ref 5029167	WASTE DISPOSAL			\$885.83
04/13/2022	7.04	1078153 - Material Ref 5028977	WASTE DISPOSAL			\$946.32
04/13/2022	7.63	1078152 - Material Ref 5029116	WASTE DISPOSAL			\$1,025.62
SUMMARY						
PREVIOUS BALANCE						\$1,247.57
PAYMENT/CREDITS						(\$1,247.57)
NEW CHARGES						\$3,452.02
TOTAL BALANCE DUE						\$3,452.02

**ACCOUNTS DUE BY THE 15TH OF THE MONTH**

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**OREGON CITY  
GARBAGE**  
Company, Inc.

**OREGON CITY GARBAGE**  
P.O. BOX 1840  
OREGON CITY, OR 97045  
503-656-8403

If paying by one of these credit cards, please enter the information on the reverse		
DUE DATE 4/24/22	ACCOUNT NO 31208009	AMOUNT \$ 3,452.02
INVOICE NO 3898950	AMOUNT ENCLOSED \$	

ELDER DEMOLITION INC  
6400 SE 101ST AVE STE 201  
PORTLAND, OR 97266

OREGON CITY GARBAGE  
P.O. BOX 1840  
OREGON CITY, OR 97045

## Attachment 6

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### Gully Washer Disposal Characterization



MAUL  
FOSTER  
ALONGI



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Monday, July 4, 2022

Jacob Faust

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

RE: A2F0586 - Blue Heron Paper Mill - M0496.02

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2F0586, which was received by the laboratory on 6/16/2022 at 1:08:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

---

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

5.8 degC

---

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

---



Apex Laboratories

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 07 04 22 2317**

### ANALYTICAL REPORT FOR SAMPLES

#### SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DS-21-SOIL	A2F0586-03	Soil	06/16/22 11:40	06/16/22 13:08
DS-20-SOIL	A2F0586-04	Soil	06/16/22 12:00	06/16/22 13:08
DS-19-SOIL	A2F0586-05	Soil	06/16/22 12:15	06/16/22 13:08
DS-03-SOIL	A2F0586-06	Soil	06/16/22 12:30	06/16/22 13:08
DS-02-SOIL	A2F0586-07	Soil	06/16/22 12:35	06/16/22 13:08
DS-01-SOIL	A2F0586-08	Soil	06/16/22 12:45	06/16/22 13:08

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>		<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>				
Acetone	ND	---	3310	ug/kg dry	50	06/17/22 15:45	5035A/8260D	ICV-02
Acrylonitrile	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Benzene	ND	---	33.1	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Bromobenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Bromochloromethane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Bromodichloromethane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Bromoform	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Bromomethane	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
2-Butanone (MEK)	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
n-Butylbenzene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
sec-Butylbenzene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
tert-Butylbenzene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Carbon disulfide	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Carbon tetrachloride	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Chlorobenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Chloroethane	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Chloroform	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Chloromethane	ND	---	827	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
2-Chlorotoluene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
4-Chlorotoluene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Dibromochloromethane	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	827	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Dibromomethane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2-Dichlorobenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,3-Dichlorobenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,4-Dichlorobenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Dichlorodifluoromethane	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1-Dichloroethane	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1-Dichloroethene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	

Apex Laboratories

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>		<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>				
1,2-Dichloropropane	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,3-Dichloropropane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
2,2-Dichloropropane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1-Dichloropropene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Ethylbenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Hexachlorobutadiene	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
2-Hexanone	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Isopropylbenzene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
4-Isopropyltoluene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Methylene chloride	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	1650	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Naphthalene	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
n-Propylbenzene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Styrene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Toluene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	827	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	827	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1,1-Trichloroethane	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,1,2-Trichloroethane	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Trichloroethene (TCE)	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Trichlorofluoromethane	ND	---	331	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2,3-Trichloropropane	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
Vinyl chloride	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
m,p-Xylene	ND	---	165	ug/kg dry	50	06/17/22 15:45	5035A/8260D	
o-Xylene	ND	---	82.7	ug/kg dry	50	06/17/22 15:45	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 98 %	Limits: 80-120 %	1	06/17/22 15:45	5035A/8260D		
Toluene-d8 (Surr)		100 %	80-120 %	1	06/17/22 15:45	5035A/8260D		
4-Bromofluorobenzene (Surr)		98 %	79-120 %	1	06/17/22 15:45	5035A/8260D		
<b>DS-20-SOIL (A2F0586-04)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Acetone	ND	---	1730	ug/kg dry	50	06/17/22 16:12	5035A/8260D	ICV-02
Acrylonitrile	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Benzene	ND	---	17.3	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Bromobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Bromochloromethane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Bromodichloromethane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Bromoform	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Bromomethane	ND	---	867	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
2-Butanone (MEK)	ND	---	867	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
n-Butylbenzene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
sec-Butylbenzene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
tert-Butylbenzene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Carbon disulfide	ND	---	867	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Carbon tetrachloride	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Chlorobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Chloroethane	ND	---	867	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Chloroform	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Chloromethane	ND	---	434	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
2-Chlorotoluene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
4-Chlorotoluene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Dibromochloromethane	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	434	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Dibromomethane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2-Dichlorobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,3-Dichlorobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,4-Dichlorobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Dichlorodifluoromethane	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1-Dichloroethane	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062Maul Foster & Alongi, INC.3140 NE Broadway Street  
Portland, OR 97232Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-20-SOIL (A2F0586-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
1,2-Dichloroethane (EDC)	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1-Dichloroethene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2-Dichloropropane	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,3-Dichloropropane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
2,2-Dichloropropane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1-Dichloropropene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Ethylbenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Hexachlorobutadiene	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
2-Hexanone	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Isopropylbenzene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
4-Isopropyltoluene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Methylene chloride	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Naphthalene	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
n-Propylbenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Styrene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Toluene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1,1-Trichloroethane	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,1,2-Trichloroethane	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Trichloroethene (TCE)	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Trichlorofluoromethane	ND	---	173	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2,3-Trichloropropane	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	

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Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-20-SOIL (A2F0586-04)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
1,3,5-Trimethylbenzene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
Vinyl chloride	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
m,p-Xylene	ND	---	86.7	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
o-Xylene	ND	---	43.4	ug/kg dry	50	06/17/22 16:12	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>06/17/22 16:12</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>06/17/22 16:12</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>06/17/22 16:12</i>	<i>5035A/8260D</i>	
<b>DS-19-SOIL (A2F0586-05)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Acetone	ND	---	2620	ug/kg dry	50	06/17/22 16:39	5035A/8260D	ICV-02
Acrylonitrile	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Benzene	ND	---	26.2	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Bromobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Bromochloromethane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Bromodichloromethane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Bromoform	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Bromomethane	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
2-Butanone (MEK)	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
n-Butylbenzene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
sec-Butylbenzene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
tert-Butylbenzene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Carbon disulfide	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Carbon tetrachloride	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Chlorobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Chloroethane	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Chloroform	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Chloromethane	ND	---	654	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
2-Chlorotoluene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
4-Chlorotoluene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Dibromochloromethane	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	654	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Dibromomethane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2-Dichlorobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-19-SOIL (A2F0586-05)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
1,3-Dichlorobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,4-Dichlorobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Dichlorodifluoromethane	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1-Dichloroethane	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1-Dichloroethene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2-Dichloropropane	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,3-Dichloropropane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
2,2-Dichloropropane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1-Dichloropropene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Ethylbenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Hexachlorobutadiene	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
2-Hexanone	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Isopropylbenzene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
4-Isopropyltoluene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Methylene chloride	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	1310	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Naphthalene	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
n-Propylbenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Styrene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Toluene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1,1-Trichloroethane	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,1,2-Trichloroethane	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-19-SOIL (A2F0586-05)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Trichloroethene (TCE)	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Trichlorofluoromethane	ND	---	262	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2,3-Trichloropropane	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
Vinyl chloride	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
m,p-Xylene	ND	---	131	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
o-Xylene	ND	---	65.4	ug/kg dry	50	06/17/22 16:39	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>06/17/22 16:39</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>102 %</i>		<i>80-120 %</i>	<i>1</i>	<i>06/17/22 16:39</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>06/17/22 16:39</i>	<i>5035A/8260D</i>	
<b>DS-03-SOIL (A2F0586-06)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Acetone	ND	---	5630	ug/kg dry	50	06/17/22 17:06	5035A/8260D	ICV-02
Acrylonitrile	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Benzene	ND	---	56.3	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Bromobenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Bromochloromethane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Bromodichloromethane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Bromoform	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Bromomethane	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
2-Butanone (MEK)	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
n-Butylbenzene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
sec-Butylbenzene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
tert-Butylbenzene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Carbon disulfide	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Carbon tetrachloride	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Chlorobenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Chloroethane	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Chloroform	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Chloromethane	ND	---	1410	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
2-Chlorotoluene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
4-Chlorotoluene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Dibromochloromethane	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-03-SOIL (A2F0586-06)</b>		<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>				
1,2-Dibromo-3-chloropropane	ND	---	1410	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Dibromomethane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2-Dichlorobenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,3-Dichlorobenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,4-Dichlorobenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Dichlorodifluoromethane	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1-Dichloroethane	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1-Dichloroethene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2-Dichloropropane	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,3-Dichloropropane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
2,2-Dichloropropane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1-Dichloropropene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Ethylbenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Hexachlorobutadiene	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
2-Hexanone	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Isopropylbenzene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
4-Isopropyltoluene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Methylene chloride	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	2810	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Naphthalene	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
n-Propylbenzene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Styrene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Toluene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-03-SOIL (A2F0586-06)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
1,2,3-Trichlorobenzene	ND	---	1410	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	1410	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1,1-Trichloroethane	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,1,2-Trichloroethane	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Trichloroethene (TCE)	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Trichlorofluoromethane	ND	---	563	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2,3-Trichloropropane	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
Vinyl chloride	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
m,p-Xylene	ND	---	281	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
o-Xylene	ND	---	141	ug/kg dry	50	06/17/22 17:06	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>06/17/22 17:06</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>100 %</i>		<i>80-120 %</i>	<i>1</i>	<i>06/17/22 17:06</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>98 %</i>		<i>79-120 %</i>	<i>1</i>	<i>06/17/22 17:06</i>	<i>5035A/8260D</i>	
<b>DS-02-SOIL (A2F0586-07)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Acetone	ND	---	1810	ug/kg dry	50	06/17/22 17:33	5035A/8260D	ICV-02
Acrylonitrile	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Benzene	ND	---	18.1	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Bromobenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Bromochloromethane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Bromodichloromethane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Bromoform	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Bromomethane	ND	---	903	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
2-Butanone (MEK)	ND	---	903	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
n-Butylbenzene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
sec-Butylbenzene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
tert-Butylbenzene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Carbon disulfide	ND	---	903	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Carbon tetrachloride	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Chlorobenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Chloroethane	ND	---	903	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Chloroform	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-02-SOIL (A2F0586-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
Chloromethane	ND	---	452	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
2-Chlorotoluene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
4-Chlorotoluene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Dibromochloromethane	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	452	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Dibromomethane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2-Dichlorobenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,3-Dichlorobenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,4-Dichlorobenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Dichlorodifluoromethane	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,1-Dichloroethane	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,1-Dichloroethene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2-Dichloropropane	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,3-Dichloropropane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
2,2-Dichloropropane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,1-Dichloropropene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Ethylbenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Hexachlorobutadiene	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
2-Hexanone	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Isopropylbenzene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
4-Isopropyltoluene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Methylene chloride	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Naphthalene	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
n-Propylbenzene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Styrene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-02-SOIL (A2F0586-07)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
1,1,1,2-Tetrachloroethane	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Toluene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	452	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	452	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,1,1-Trichloroethane	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,1,2-Trichloroethane	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Trichloroethene (TCE)	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Trichlorofluoromethane	ND	---	181	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2,3-Trichloropropane	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
Vinyl chloride	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
m,p-Xylene	ND	---	90.3	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
o-Xylene	ND	---	45.2	ug/kg dry	50	06/17/22 17:33	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>06/17/22 17:33</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>		<i>101 %</i>		<i>80-120 %</i>	<i>1</i>	<i>06/17/22 17:33</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>97 %</i>		<i>79-120 %</i>	<i>1</i>	<i>06/17/22 17:33</i>	<i>5035A/8260D</i>	
<b>DS-01-SOIL (A2F0586-08)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Acetone	ND	---	1600	ug/kg dry	50	06/17/22 18:00	5035A/8260D	ICV-02
Acrylonitrile	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Benzene	ND	---	16.0	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Bromobenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Bromochloromethane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Bromodichloromethane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Bromoform	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Bromomethane	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
2-Butanone (MEK)	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
n-Butylbenzene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
sec-Butylbenzene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
tert-Butylbenzene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Carbon disulfide	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-01-SOIL (A2F0586-08)</b>		<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>				
Carbon tetrachloride	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Chlorobenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Chloroethane	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Chloroform	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Chloromethane	ND	---	401	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
2-Chlorotoluene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
4-Chlorotoluene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Dibromochloromethane	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	401	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Dibromomethane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2-Dichlorobenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,3-Dichlorobenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,4-Dichlorobenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Dichlorodifluoromethane	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1-Dichloroethane	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1-Dichloroethene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2-Dichloropropane	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,3-Dichloropropane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
2,2-Dichloropropane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1-Dichloropropene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Ethylbenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Hexachlorobutadiene	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
2-Hexanone	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Isopropylbenzene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
4-Isopropyltoluene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Methylene chloride	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	802	ug/kg dry	50	06/17/22 18:00	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-01-SOIL (A2F0586-08)</b>		<b>Matrix: Soil</b>			<b>Batch: 22F0631</b>			
Methyl tert-butyl ether (MTBE)	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Naphthalene	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
n-Propylbenzene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Styrene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Toluene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	401	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	401	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1,1-Trichloroethane	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,1,2-Trichloroethane	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Trichloroethene (TCE)	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Trichlorofluoromethane	ND	---	160	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2,3-Trichloropropane	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
Vinyl chloride	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
m,p-Xylene	ND	---	80.2	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
o-Xylene	ND	---	40.1	ug/kg dry	50	06/17/22 18:00	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	98 %	<i>Limits:</i>	80-120 %	1	06/17/22 18:00	5035A/8260D
<i>Toluene-d8 (Surr)</i>			101 %		80-120 %	1	06/17/22 18:00	5035A/8260D
<i>4-Bromofluorobenzene (Surr)</i>			99 %		79-120 %	1	06/17/22 18:00	5035A/8260D

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

## ANALYTICAL SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1221	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1232	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1242	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1248	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1254	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1260	ND	---	11.7	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>			<i>Recovery: 78 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>	<i>06/20/22 11:01</i>	<i>EPA 8082A</i>	
<b>DS-20-SOIL (A2F0586-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	
Aroclor 1221	ND	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	
Aroclor 1232	ND	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	
Aroclor 1242	ND	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	
Aroclor 1248	ND	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	
<b>Aroclor 1254</b>	<b>14.3</b>	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	<b>P-12</b>
<b>Aroclor 1260</b>	<b>20.0</b>	---	11.1	ug/kg dry	1	06/20/22 08:39	EPA 8082A	<b>P-12</b>
<i>Surrogate: Decachlorobiphenyl (Surr)</i>			<i>Recovery: 102 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>	<i>06/20/22 08:39</i>	<i>EPA 8082A</i>	
<b>DS-19-SOIL (A2F0586-05)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1221	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1232	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1242	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1248	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1254	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1260	ND	---	11.3	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>			<i>Recovery: 108 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>	<i>06/20/22 09:14</i>	<i>EPA 8082A</i>	
<b>DS-03-SOIL (A2F0586-06RE1)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	
Aroclor 1221	ND	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	
Aroclor 1232	ND	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

## ANALYTICAL SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-03-SOIL (A2F0586-06RE1)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1242	ND	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	
Aroclor 1248	ND	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	
<b>Aroclor 1254</b>	<b>4280</b>	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	
Aroclor 1260	ND	---	150	ug/kg dry	5	06/20/22 11:37	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 60-125 %</i>	5	06/20/22 11:37	EPA 8082A	
<b>DS-02-SOIL (A2F0586-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1221	ND	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1232	ND	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1242	ND	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1248	ND	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
<b>Aroclor 1254</b>	<b>501</b>	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1260	ND	---	12.5	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 60-125 %</i>	1	06/20/22 10:25	EPA 8082A	
<b>DS-01-SOIL (A2F0586-08)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1221	ND	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1232	ND	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1242	ND	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
Aroclor 1248	ND	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	
<b>Aroclor 1254</b>	<b>203</b>	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	<b>P-12</b>
<b>Aroclor 1260</b>	<b>119</b>	---	11.9	ug/kg dry	1	06/20/22 11:01	EPA 8082A	<b>P-12</b>
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 60-125 %</i>	1	06/20/22 11:01	EPA 8082A	

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062Maul Foster & Alongi, INC.3140 NE Broadway Street  
Portland, OR 97232Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03) Matrix: Soil</b>								
Batch: 22F0662								
Arsenic	1.29	---	1.20	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Barium	162	---	1.20	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Cadmium	0.725	---	0.240	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Chromium	14.1	---	1.20	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Lead	124	---	0.240	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Mercury	ND	---	0.0961	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Selenium	ND	---	1.20	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
Silver	ND	---	0.240	mg/kg dry	10	06/20/22 13:13	EPA 6020B	
<b>DS-20-SOIL (A2F0586-04) Matrix: Soil</b>								
Batch: 22F0662								
Arsenic	ND	---	1.28	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Barium	76.5	---	1.28	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Cadmium	0.340	---	0.256	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Chromium	8.04	---	1.28	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Lead	127	---	0.256	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Mercury	ND	---	0.102	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Selenium	ND	---	1.28	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
Silver	ND	---	0.256	mg/kg dry	10	06/20/22 13:18	EPA 6020B	
<b>DS-19-SOIL (A2F0586-05) Matrix: Soil</b>								
Batch: 22F0662								
Arsenic	ND	---	1.21	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Barium	73.6	---	1.21	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Cadmium	ND	---	0.243	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Chromium	11.2	---	1.21	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Lead	16.5	---	0.243	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Mercury	ND	---	0.0971	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Selenium	ND	---	1.21	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
Silver	ND	---	0.243	mg/kg dry	10	06/20/22 13:23	EPA 6020B	
<b>DS-03-SOIL (A2F0586-06) Matrix: Soil</b>								
Batch: 22F0662								

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DS-03-SOIL (A2F0586-06)				Matrix: Soil				
Arsenic	ND	---	3.06	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Barium	146	---	3.06	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Cadmium	0.712	---	0.613	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Chromium	17.7	---	3.06	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Lead	33.6	---	0.613	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Mercury	ND	---	0.245	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Selenium	ND	---	3.06	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
Silver	ND	---	0.613	mg/kg dry	10	06/20/22 13:28	EPA 6020B	
DS-02-SOIL (A2F0586-07RE1)				Matrix: Soil				
Batch: 22F0662								
Arsenic	2.43	---	1.43	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Barium	76.4	---	1.43	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Cadmium	ND	---	0.286	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Chromium	12.4	---	1.43	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Lead	8.15	---	0.286	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Mercury	ND	---	0.115	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Selenium	ND	---	1.43	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
Silver	ND	---	0.286	mg/kg dry	10	06/20/22 14:16	EPA 6020B	
DS-01-SOIL (A2F0586-08)				Matrix: Soil				
Batch: 22F0662								
Arsenic	ND	---	1.31	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Barium	55.8	---	1.31	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Cadmium	ND	---	0.262	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Chromium	8.94	---	1.31	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Lead	5.97	---	0.262	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Mercury	ND	---	0.105	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Selenium	ND	---	1.31	mg/kg dry	10	06/20/22 13:37	EPA 6020B	
Silver	ND	---	0.262	mg/kg dry	10	06/20/22 13:37	EPA 6020B	

Apex Laboratories

Philip Nerenberg, Lab Director

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**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317****ANALYTICAL SAMPLE RESULTS****TCLP Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>		<b>Matrix: Soil</b>						
Batch: 22F1054								
<b>Lead</b>	<b>0.251</b>	---	0.0500	mg/L	10	06/29/22 17:48	1311/6020B	<b>TCLPa</b>
<b>DS-20-SOIL (A2F0586-04)</b>		<b>Matrix: Soil</b>						
Batch: 22F1054								
<b>Lead</b>	<b>0.281</b>	---	0.0500	mg/L	10	06/29/22 17:52	1311/6020B	

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## ANALYTICAL REPORT

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3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

## ANALYTICAL SAMPLE RESULTS

## Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	84.6	---	1.00	%	1	06/21/22 09:29	EPA 8000D	
<b>DS-20-SOIL (A2F0586-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	82.9	---	1.00	%	1	06/21/22 09:29	EPA 8000D	
<b>DS-19-SOIL (A2F0586-05)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	82.7	---	1.00	%	1	06/21/22 09:29	EPA 8000D	
<b>DS-03-SOIL (A2F0586-06)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	32.6	---	1.00	%	1	06/21/22 09:29	EPA 8000D	
<b>DS-02-SOIL (A2F0586-07)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	74.6	---	1.00	%	1	06/21/22 09:29	EPA 8000D	
<b>DS-01-SOIL (A2F0586-08)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	80.5	---	1.00	%	1	06/21/22 09:29	EPA 8000D	

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Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

ANALYTICAL SAMPLE RESULTS

TCLP Extraction by EPA 1311

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>DS-21-SOIL (A2F0586-03)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0970</b>		
TCLP Extraction	PREP	---		N/A	1	06/27/22 14:45	EPA 1311	
<b>DS-20-SOIL (A2F0586-04)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0970</b>		
TCLP Extraction	PREP	---		N/A	1	06/27/22 14:45	EPA 1311	

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## ANALYTICAL REPORT

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Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Blank (22F0631-BLK1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 10:49							
<u>5035A/8260D</u>												
Acetone	ND	---	667	ug/kg wet	50	---	---	---	---	---	---	ICV-02
Acrylonitrile	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Blank (22F0631-BLK1)						Prepared: 06/17/22 08:00 Analyzed: 06/17/22 10:49						
1,2-Dichloropropane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 99 % Limits: 80-120 % Dilution: 1x												

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## ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Blank (22F0631-BLK1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 10:49							
Surr: Toluene-d8 (Surr)		Recovery: 102 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		98 %		79-120 %		"						
LCS (22F0631-BS1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 09:47							
5035A/8260D												
Acetone	1640	---	1000	ug/kg wet	50	2000	---	82	80-120%	---	---	ICV-02
Acrylonitrile	976	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
Benzene	992	---	10.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromobenzene	995	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	Q-56
Bromochloromethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Bromodichloromethane	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Bromoform	887	---	100	ug/kg wet	50	1000	---	89	80-120%	---	---	
Bromomethane	1170	---	500	ug/kg wet	50	1000	---	117	80-120%	---	---	
2-Butanone (MEK)	1790	---	500	ug/kg wet	50	2000	---	90	80-120%	---	---	
n-Butylbenzene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
sec-Butylbenzene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
tert-Butylbenzene	971	---	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Carbon disulfide	825	---	500	ug/kg wet	50	1000	---	82	80-120%	---	---	
Carbon tetrachloride	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Chlorobenzene	954	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Chloroethane	1270	---	500	ug/kg wet	50	1000	---	127	80-120%	---	---	
Chloroform	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chloromethane	920	---	250	ug/kg wet	50	1000	---	92	80-120%	---	---	
2-Chlorotoluene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
4-Chlorotoluene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Dibromochloromethane	932	---	100	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2-Dibromo-3-chloropropane	833	---	250	ug/kg wet	50	1000	---	83	80-120%	---	---	
1,2-Dibromoethane (EDB)	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Dibromomethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,2-Dichlorobenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,3-Dichlorobenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,4-Dichlorobenzene	952	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Dichlorodifluoromethane	992	---	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,1-Dichloroethane	990	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	

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Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317****QUALITY CONTROL (QC) SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
LCS (22F0631-BS1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 09:47							
1,2-Dichloroethane (EDC)	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1-Dichloroethene	1030	---	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
trans-1,2-Dichloroethene	976	---	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2-Dichloropropane	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,3-Dichloropropane	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
2,2-Dichloropropane	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1-Dichloropropene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
cis-1,3-Dichloropropene	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
trans-1,3-Dichloropropene	995	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Ethylbenzene	990	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Hexachlorobutadiene	976	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
2-Hexanone	1640	---	500	ug/kg wet	50	2000	---	82	80-120%	---	---	
Isopropylbenzene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
4-Isopropyltoluene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Methylene chloride	938	---	500	ug/kg wet	50	1000	---	94	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2100	---	500	ug/kg wet	50	2000	---	105	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	987	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Naphthalene	1060	---	100	ug/kg wet	50	1000	---	106	80-120%	---	---	
n-Propylbenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Styrene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1,1,2-Tetrachloroethane	946	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,1,2,2-Tetrachloroethane	968	---	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Tetrachloroethene (PCE)	949	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Toluene	958	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2,3-Trichlorobenzene	999	---	250	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2,4-Trichlorobenzene	1010	---	250	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,1-Trichloroethane	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,2-Trichloroethane	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Trichloroethene (TCE)	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Trichlorofluoromethane	1180	---	100	ug/kg wet	50	1000	---	118	80-120%	---	---	
1,2,3-Trichloropropane	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,2,4-Trimethylbenzene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,3,5-Trimethylbenzene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
LCS (22F0631-BS1)			Prepared: 06/17/22 08:00   Analyzed: 06/17/22 09:47									
Vinyl chloride	1150	---	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
m,p-Xylene	1980	---	50.0	ug/kg wet	50	2000	---	99	80-120%	---	---	
o-Xylene	988	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		97 %		79-120 %		"						
Duplicate (22F0631-DUP1)						Prepared: 06/16/22 07:45   Analyzed: 06/17/22 13:03						
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)												
5035A/8260D												
Acetone	ND	---	8410	ug/kg dry	50	---	ND	---	---	---	30%	ICV-02
Acrylonitrile	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	84.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Duplicate (22F0631-DUP1)			Prepared: 06/16/22 07:45    Analyzed: 06/17/22 13:03									
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)												
1,2-Dichlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Duplicate (22F0631-DUP1)			Prepared: 06/16/22 07:45 Analyzed: 06/17/22 13:03									
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)												
1,1,2-Trichloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 98 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr)			101 %		80-120 %		"					
4-Bromofluorobenzene (Surr)			98 %		79-120 %		"					
Matrix Spike (22F0631-MS1)						Prepared: 06/16/22 12:45 Analyzed: 06/17/22 18:27						
QC Source Sample: DS-01-SOIL (A2F0586-08)												
5035A/8260D												
Acetone	2290	---	1600	ug/kg dry	50	3200	ND	72	36-164%	---	---	ICV-02
Acrylonitrile	1620	---	160	ug/kg dry	50	1600	ND	101	65-134%	---	---	
Benzene	1720	---	16.0	ug/kg dry	50	1600	ND	108	77-121%	---	---	
Bromobenzene	1680	---	40.1	ug/kg dry	50	1600	ND	105	78-121%	---	---	
Bromochloromethane	1700	---	80.2	ug/kg dry	50	1600	ND	106	78-125%	---	---	
Bromodichloromethane	1790	---	80.2	ug/kg dry	50	1600	ND	112	75-127%	---	---	
Bromoform	1380	---	160	ug/kg dry	50	1600	ND	86	67-132%	---	---	
Bromomethane	2040	---	802	ug/kg dry	50	1600	ND	127	53-143%	---	---	
2-Butanone (MEK)	2690	---	802	ug/kg dry	50	3200	ND	84	51-148%	---	---	
n-Butylbenzene	1870	---	80.2	ug/kg dry	50	1600	ND	117	70-128%	---	---	
sec-Butylbenzene	1830	---	80.2	ug/kg dry	50	1600	ND	114	73-126%	---	---	
tert-Butylbenzene	1720	---	80.2	ug/kg dry	50	1600	ND	107	73-125%	---	---	
Carbon disulfide	1380	---	802	ug/kg dry	50	1600	ND	86	63-132%	---	---	
Carbon tetrachloride	1850	---	80.2	ug/kg dry	50	1600	ND	116	70-135%	---	---	
Chlorobenzene	1640	---	40.1	ug/kg dry	50	1600	ND	102	79-120%	---	---	
Chloroethane	2380	---	802	ug/kg dry	50	1600	ND	149	59-139%	---	---	Q-54
Chloroform	1670	---	80.2	ug/kg dry	50	1600	ND	104	78-123%	---	---	

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Matrix Spike (22F0631-MS1)			Prepared: 06/16/22 12:45   Analyzed: 06/17/22 18:27									
QC Source Sample: DS-01-SOIL (A2F0586-08)												
Chloromethane	1670	---	401	ug/kg dry	50	1600	ND	104	50-136%	---	---	
2-Chlorotoluene	1770	---	80.2	ug/kg dry	50	1600	ND	110	75-122%	---	---	
4-Chlorotoluene	1760	---	80.2	ug/kg dry	50	1600	ND	110	72-124%	---	---	
Dibromochloromethane	1500	---	160	ug/kg dry	50	1600	ND	94	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1310	---	401	ug/kg dry	50	1600	ND	82	61-132%	---	---	
1,2-Dibromoethane (EDB)	1770	---	80.2	ug/kg dry	50	1600	ND	111	78-122%	---	---	
Dibromomethane	1670	---	80.2	ug/kg dry	50	1600	ND	104	78-125%	---	---	
1,2-Dichlorobenzene	1680	---	40.1	ug/kg dry	50	1600	ND	105	78-121%	---	---	
1,3-Dichlorobenzene	1700	---	40.1	ug/kg dry	50	1600	ND	106	77-121%	---	---	
1,4-Dichlorobenzene	1600	---	40.1	ug/kg dry	50	1600	ND	100	75-120%	---	---	
Dichlorodifluoromethane	1800	---	160	ug/kg dry	50	1600	ND	112	29-149%	---	---	
1,1-Dichloroethane	1700	---	40.1	ug/kg dry	50	1600	ND	106	76-125%	---	---	
1,2-Dichloroethane (EDC)	1700	---	40.1	ug/kg dry	50	1600	ND	106	73-128%	---	---	
1,1-Dichloroethene	1810	---	40.1	ug/kg dry	50	1600	ND	113	70-131%	---	---	
cis-1,2-Dichloroethene	1710	---	40.1	ug/kg dry	50	1600	ND	107	77-123%	---	---	
trans-1,2-Dichloroethene	1690	---	40.1	ug/kg dry	50	1600	ND	106	74-125%	---	---	
1,2-Dichloropropane	1700	---	40.1	ug/kg dry	50	1600	ND	106	76-123%	---	---	
1,3-Dichloropropane	1750	---	80.2	ug/kg dry	50	1600	ND	109	77-121%	---	---	
2,2-Dichloropropane	1580	---	80.2	ug/kg dry	50	1600	ND	99	67-133%	---	---	
1,1-Dichloropropene	1800	---	80.2	ug/kg dry	50	1600	ND	112	76-125%	---	---	
cis-1,3-Dichloropropene	1850	---	80.2	ug/kg dry	50	1600	ND	115	74-126%	---	---	
trans-1,3-Dichloropropene	1590	---	80.2	ug/kg dry	50	1600	ND	99	71-130%	---	---	
Ethylbenzene	1740	---	40.1	ug/kg dry	50	1600	ND	109	76-122%	---	---	
Hexachlorobutadiene	1720	---	160	ug/kg dry	50	1600	ND	108	61-135%	---	---	
2-Hexanone	2690	---	802	ug/kg dry	50	3200	ND	84	53-145%	---	---	
Isopropylbenzene	1760	---	80.2	ug/kg dry	50	1600	ND	110	68-134%	---	---	
4-Isopropyltoluene	1830	---	80.2	ug/kg dry	50	1600	ND	114	73-127%	---	---	
Methylene chloride	1550	---	802	ug/kg dry	50	1600	ND	97	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	3500	---	802	ug/kg dry	50	3200	ND	109	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1590	---	80.2	ug/kg dry	50	1600	ND	99	73-125%	---	---	
Naphthalene	1720	---	160	ug/kg dry	50	1600	ND	107	62-129%	---	---	
n-Propylbenzene	1850	---	40.1	ug/kg dry	50	1600	ND	115	73-125%	---	---	
Styrene	1780	---	80.2	ug/kg dry	50	1600	ND	111	76-124%	---	---	

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## ANALYTICAL REPORT

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Matrix Spike (22F0631-MS1)			Prepared: 06/16/22 12:45		Analyzed: 06/17/22 18:27							
QC Source Sample: DS-01-SOIL (A2F0586-08)												
1,1,1,2-Tetrachloroethane	1580	---	40.1	ug/kg dry	50	1600	ND	99	78-125%	---	---	Q-01
1,1,2,2-Tetrachloroethane	1640	---	80.2	ug/kg dry	50	1600	ND	102	70-124%	---	---	
Tetrachloroethene (PCE)	1700	---	40.1	ug/kg dry	50	1600	ND	106	73-128%	---	---	
Toluene	1680	---	80.2	ug/kg dry	50	1600	ND	105	77-121%	---	---	
1,2,3-Trichlorobenzene	1670	---	401	ug/kg dry	50	1600	ND	104	66-130%	---	---	
1,2,4-Trichlorobenzene	1680	---	401	ug/kg dry	50	1600	ND	105	67-129%	---	---	
1,1,1-Trichloroethane	1750	---	40.1	ug/kg dry	50	1600	ND	109	73-130%	---	---	
1,1,2-Trichloroethane	1750	---	40.1	ug/kg dry	50	1600	ND	109	78-121%	---	---	
Trichloroethene (TCE)	1780	---	40.1	ug/kg dry	50	1600	ND	111	77-123%	---	---	
Trichlorofluoromethane	2290	---	160	ug/kg dry	50	1600	ND	143	62-140%	---	---	
1,2,3-Trichloropropane	1760	---	80.2	ug/kg dry	50	1600	ND	110	73-125%	---	---	
1,2,4-Trimethylbenzene	1780	---	80.2	ug/kg dry	50	1600	ND	111	75-123%	---	---	
1,3,5-Trimethylbenzene	1810	---	80.2	ug/kg dry	50	1600	ND	113	73-124%	---	---	
Vinyl chloride	2110	---	40.1	ug/kg dry	50	1600	ND	132	56-135%	---	---	
m,p-Xylene	3490	---	80.2	ug/kg dry	50	3200	ND	109	77-124%	---	---	
o-Xylene	1710	---	40.1	ug/kg dry	50	1600	ND	107	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 99 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		97 %		79-120 %		"						

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Philip Nerenberg, Lab Director

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 22F0645 - EPA 3546</b>												
<b>Soil</b>												
<b>Blank (22F0645-BLK1)</b>												
Prepared: 06/17/22 09:33 Analyzed: 06/20/22 08:39												
<b>EPA 8082A</b>												
Aroclor 1016	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr) Recovery: 87 % Limits: 60-125 % Dilution: 1x												
<b>LCS (22F0645-BS1)</b>												
Prepared: 06/17/22 09:33 Analyzed: 06/20/22 08:57												
<b>EPA 8082A</b>												
Aroclor 1016	196	---	10.0	ug/kg wet	1	250	---	78	47-134%	---	---	
Aroclor 1260	213	---	10.0	ug/kg wet	1	250	---	85	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr) Recovery: 86 % Limits: 60-125 % Dilution: 1x												
<b>Duplicate (22F0645-DUP1)</b>												
Prepared: 06/17/22 09:33 Analyzed: 06/20/22 09:50												
<b>QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)</b>												
<b>EPA 8082A</b>												
Aroclor 1016	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	434	---	29.3	ug/kg dry	1	---	56.4	---	---	154	30%	Q-17
Aroclor 1260	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr) Recovery: 42 % Limits: 60-125 % Dilution: 1x												
<b>Matrix Spike (22F0645-MS1)</b>												
Prepared: 06/17/22 09:33 Analyzed: 06/20/22 11:37												
<b>QC Source Sample: DS-01-SOIL (A2F0586-08)</b>												
<b>EPA 8082A</b>												
Aroclor 1016	249	---	11.9	ug/kg dry	1	299	ND	84	47-134%	---	---	
Aroclor 1260	309	---	11.9	ug/kg dry	1	299	119	64	53-140%	---	---	

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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503-718-2323  
ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street  
Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 07 04 22 2317

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0645 - EPA 3546							Soil					
Matrix Spike (22F0645-MS1)			Prepared: 06/17/22 09:33   Analyzed: 06/20/22 11:37					C-07				
<u>QC Source Sample: DS-01-SOIL (A2F0586-08)</u>												
Surr: Decachlorobiphenyl (Surr)				Recovery: 91 %		Limits: 60-125 %		Dilution: 1x				

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Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0662 - EPA 3051A						Soil						
Blank (22F0662-BLK1)			Prepared: 06/17/22 11:29    Analyzed: 06/20/22 12:00									
EPA 6020B												
Arsenic	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0769	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
LCS (22F0662-BS1)			Prepared: 06/17/22 11:29    Analyzed: 06/20/22 12:10									
EPA 6020B												
Arsenic	46.8	---	1.00	mg/kg wet	10	50.0	---	94	80-120%	---	---	
Barium	47.3	---	1.00	mg/kg wet	10	50.0	---	95	80-120%	---	---	
Cadmium	48.0	---	0.200	mg/kg wet	10	50.0	---	96	80-120%	---	---	
Chromium	46.1	---	1.00	mg/kg wet	10	50.0	---	92	80-120%	---	---	
Lead	49.4	---	0.200	mg/kg wet	10	50.0	---	99	80-120%	---	---	
Mercury	0.979	---	0.0800	mg/kg wet	10	1.00	---	98	80-120%	---	---	
Selenium	23.7	---	1.00	mg/kg wet	10	25.0	---	95	80-120%	---	---	
Silver	25.2	---	0.200	mg/kg wet	10	25.0	---	101	80-120%	---	---	
Duplicate (22F0662-DUP1)			Prepared: 06/17/22 11:29    Analyzed: 06/20/22 12:20									
QC Source Sample: Non-SDG (A2E0465-02)												
Arsenic	1.48	---	1.28	mg/kg dry	10	---	1.96	---	---	28	20%	Q-05
Barium	41.6	---	1.28	mg/kg dry	10	---	52.5	---	---	23	20%	Q-04
Cadmium	ND	---	0.256	mg/kg dry	10	---	ND	---	---	---	20%	
Chromium	7.35	---	1.28	mg/kg dry	10	---	11.1	---	---	41	20%	Q-04
Lead	8.16	---	0.256	mg/kg dry	10	---	8.91	---	---	9	20%	
Mercury	ND	---	0.102	mg/kg dry	10	---	ND	---	---	---	20%	
Selenium	ND	---	1.28	mg/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	---	0.256	mg/kg dry	10	---	ND	---	---	---	20%	

**Matrix Spike (22F0662-MS1)**

Prepared: 06/17/22 11:29 Analyzed: 06/20/22 12:24

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3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0662 - EPA 3051A						Soil						
Matrix Spike (22F0662-MS1)			Prepared: 06/17/22 11:29   Analyzed: 06/20/22 12:24									
QC Source Sample: Non-SDG (A2E0465-02)												
EPA 6020B												
Arsenic	59.6	---	1.24	mg/kg dry	10	61.9	1.96	93	75-125%	---	---	
Barium	107	---	1.24	mg/kg dry	10	61.9	52.5	88	75-125%	---	---	
Cadmium	59.5	---	0.247	mg/kg dry	10	61.9	ND	96	75-125%	---	---	
Chromium	67.7	---	1.24	mg/kg dry	10	61.9	11.1	92	75-125%	---	---	
Lead	70.6	---	0.247	mg/kg dry	10	61.9	8.91	100	75-125%	---	---	
Mercury	1.26	---	0.0990	mg/kg dry	10	1.24	ND	102	75-125%	---	---	
Selenium	28.8	---	1.24	mg/kg dry	10	30.9	ND	93	75-125%	---	---	
Silver	32.3	---	0.247	mg/kg dry	10	30.9	ND	104	75-125%	---	---	

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*Philip Nerenberg*

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QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1054 - EPA 1311/3015A						Soil						
Blank (22F1054-BLK1)			Prepared: 06/29/22 10:22   Analyzed: 06/29/22 17:33									
1311/6020B												
Lead	ND	---	0.0500	mg/L	10	---	---	---	---	---	---	TCLP
LCS (22F1054-BS1)			Prepared: 06/29/22 10:22   Analyzed: 06/29/22 17:38									
1311/6020B												
Lead	5.14	---	0.0500	mg/L	10	5.00	---	103	80-120%	---	---	TCLP
Matrix Spike (22F1054-MS1)			Prepared: 06/29/22 10:22   Analyzed: 06/29/22 18:02									
QC Source Sample: Non-SDG (A2F0846-01)												
1311/6020B												
Lead	5.07	---	0.0500	mg/L	10	5.00	ND	101	50-150%	---	---	

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ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0715 - Total Solids (Dry Weight)						Soil						
Duplicate (22F0715-DUP1)			Prepared: 06/20/22 14:21   Analyzed: 06/21/22 09:29						PRO			
QC Source Sample: Non-SDG (A2F0431-02)												
% Solids	96.7	---	1.00	%	1	---	96.7	---	---	0.04	10%	
Duplicate (22F0715-DUP2)			Prepared: 06/20/22 14:21   Analyzed: 06/21/22 09:29						PRO			
QC Source Sample: Non-SDG (A2F0431-04)												
% Solids	97.0	---	1.00	%	1	---	97.0	---	---	0.05	10%	
Duplicate (22F0715-DUP3)			Prepared: 06/20/22 14:21   Analyzed: 06/21/22 09:29						PRO			
QC Source Sample: Non-SDG (A2F0431-06)												
% Solids	97.0	---	1.00	%	1	---	97.1	---	---	0.06	10%	
Duplicate (22F0715-DUP4)			Prepared: 06/20/22 14:21   Analyzed: 06/21/22 09:29									
QC Source Sample: Non-SDG (A2F0566-01)												
% Solids	83.2	---	1.00	%	1	---	82.8	---	---	0.4	10%	
Duplicate (22F0715-DUP5)			Prepared: 06/20/22 19:12   Analyzed: 06/21/22 09:29									
QC Source Sample: Non-SDG (A2F0667-01)												
% Solids	80.7	---	1.00	%	1	---	78.1	---	---	3	10%	
Duplicate (22F0715-DUP6)			Prepared: 06/20/22 19:12   Analyzed: 06/21/22 09:29									
QC Source Sample: Non-SDG (A2F0667-02)												
% Solids	79.4	---	1.00	%	1	---	78.4	---	---	1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317****SAMPLE PREPARATION INFORMATION****Volatile Organic Compounds by EPA 8260D****Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0631</b>							
A2F0586-03	Soil	5035A/8260D	06/16/22 11:40	06/16/22 11:40	1.89g/5mL	5g/5mL	2.65
A2F0586-04	Soil	5035A/8260D	06/16/22 12:00	06/16/22 12:00	3.95g/5mL	5g/5mL	1.27
A2F0586-05	Soil	5035A/8260D	06/16/22 12:15	06/16/22 12:15	2.51g/5mL	5g/5mL	1.99
A2F0586-06	Soil	5035A/8260D	06/16/22 12:30	06/16/22 12:30	4.3g/5mL	5g/5mL	1.16
A2F0586-07	Soil	5035A/8260D	06/16/22 12:35	06/16/22 12:35	4.57g/5mL	5g/5mL	1.09
A2F0586-08	Soil	5035A/8260D	06/16/22 12:45	06/16/22 12:45	4.56g/5mL	5g/5mL	1.10

**Polychlorinated Biphenyls by EPA 8082A****Prep: EPA 3546**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0645</b>							
A2F0586-03	Soil	EPA 8082A	06/16/22 11:40	06/17/22 09:33	10.14g/5mL	10g/5mL	0.99
A2F0586-04	Soil	EPA 8082A	06/16/22 12:00	06/17/22 09:33	10.9g/5mL	10g/5mL	0.92
A2F0586-05	Soil	EPA 8082A	06/16/22 12:15	06/17/22 09:33	10.67g/5mL	10g/5mL	0.94
A2F0586-06RE1	Soil	EPA 8082A	06/16/22 12:30	06/17/22 09:33	10.18g/5mL	10g/5mL	0.98
A2F0586-07	Soil	EPA 8082A	06/16/22 12:35	06/17/22 09:33	10.69g/5mL	10g/5mL	0.94
A2F0586-08	Soil	EPA 8082A	06/16/22 12:45	06/17/22 09:33	10.47g/5mL	10g/5mL	0.96

**Total Metals by EPA 6020B (ICPMS)****Prep: EPA 3051A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0662</b>							
A2F0586-03	Soil	EPA 6020B	06/16/22 11:40	06/17/22 11:29	0.492g/50mL	0.5g/50mL	1.02
A2F0586-04	Soil	EPA 6020B	06/16/22 12:00	06/17/22 11:29	0.471g/50mL	0.5g/50mL	1.06
A2F0586-05	Soil	EPA 6020B	06/16/22 12:15	06/17/22 11:29	0.498g/50mL	0.5g/50mL	1.00
A2F0586-06	Soil	EPA 6020B	06/16/22 12:30	06/17/22 11:29	0.5g/50mL	0.5g/50mL	1.00
A2F0586-07RE1	Soil	EPA 6020B	06/16/22 12:35	06/17/22 11:29	0.468g/50mL	0.5g/50mL	1.07
A2F0586-08	Soil	EPA 6020B	06/16/22 12:45	06/17/22 11:29	0.474g/50mL	0.5g/50mL	1.05

**TCLP Metals by EPA 6020B (ICPMS)****Prep: EPA 1311/3015A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F1054</b>							

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 07 04 22 2317**

## SAMPLE PREPARATION INFORMATION

## TCLP Metals by EPA 6020B (ICPMS)

Prep: EPA 1311/3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A2F0586-03	Soil	1311/6020B	06/16/22 11:40	06/29/22 10:22	10mL/50mL	10mL/50mL	1.00
A2F0586-04	Soil	1311/6020B	06/16/22 12:00	06/29/22 10:22	10mL/50mL	10mL/50mL	1.00

## Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 22F0715</u>							
A2F0586-03	Soil	EPA 8000D	06/16/22 11:40	06/20/22 14:21			NA
A2F0586-04	Soil	EPA 8000D	06/16/22 12:00	06/20/22 14:21			NA
A2F0586-05	Soil	EPA 8000D	06/16/22 12:15	06/20/22 14:21			NA
A2F0586-06	Soil	EPA 8000D	06/16/22 12:30	06/20/22 14:21			NA
A2F0586-07	Soil	EPA 8000D	06/16/22 12:35	06/20/22 14:21			NA
A2F0586-08	Soil	EPA 8000D	06/16/22 12:45	06/20/22 14:21			NA

## TCLP Extraction by EPA 1311

Prep: EPA 1311 (TCLP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 22F0970</u>							
A2F0586-03	Soil	EPA 1311	06/16/22 11:40	06/27/22 14:45	84.8g/1704.3g	100g/2000g	NA
A2F0586-04	Soil	EPA 1311	06/16/22 12:00	06/27/22 14:45	100g/1993.1g	100g/2000g	NA

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## QUALIFIER DEFINITIONS

### **Client Sample and Quality Control (QC) Sample Qualifier Definitions:**

#### **Apex Laboratories**

- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- ICV-02** Estimated Result. Initial Calibration Verification (ICV) failed low.
- P-12** Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
- PRO** Sample has undergone sample processing prior to extraction and analysis.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-17** RPD between original and duplicate sample is outside of established control limits.
- Q-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. The results are reported as Estimated Values.
- Q-56** Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
- S-03** Sample re-extract, or the analysis of an associated Batch QC sample, confirms surrogate failure due to sample matrix effect.
- TCLP** This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 22F0970.
- TCLPa** Limited sample volume. Leachate was prepared using less than the recommended amount of sample per EPA 1311 or 1312. To maintain consistency in leaching, the standard ratio of sample to leachate fluid was maintained.

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Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

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### REPORTING NOTES AND CONVENTIONS:

#### Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.  
ND Analyte NOT DETECTED at or above the detection or reporting limit.  
NR Result Not Reported  
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

#### Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).  
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

#### Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

#### Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.  
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.  
  
"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")  
See Percent Solids section for details of dry weight analysis.  
"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.  
" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

#### QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

#### Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.  
  
" \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

#### Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).  
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.  
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.  
For further details, please request a copy of this document.

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

**Apex Laboratories, LLC**

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 07 04 22 2317**

### REPORTING NOTES AND CONVENTIONS (Cont.):

#### **Blanks (Cont.):**

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

#### **Preparation Notes:**

##### **Mixed Matrix Samples:**

##### **Water Samples:**

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

##### **Soil and Sediment Samples:**

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

#### **Sampling and Preservation Notes:**

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

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**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 07 04 22 2317**

### LABORATORY ACCREDITATION INFORMATION

**ORELAP Certification ID: OR100062 (Primary Accreditation)** -

**EPA ID: OR01039**

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

#### **Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

#### **Secondary Accreditations**

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

#### **Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

#### **Field Testing Parameters**

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper MillProject Number: M0496.02Project Manager: Jacob FaustReport ID:A2F0586 - 07 04 22 2317**APEX LABS COOLER RECEIPT FORM**Client: MFA Element WO#: A2F0586Project/Project #: BLUE HERON MILL M0496.02**Delivery Info:**Date/time received: 6-16-22 @ 1308 By: DJSDelivered by: Apex ☐ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐**Cooler Inspection** Date/time inspected: 6-16-22 @ 1309 By: DJSChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>5.8</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) ☒ Possible reason why: \_\_\_\_\_Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐**Sample Inspection:** Date/time inspected: 6/16/22 @ 15:44 By: KAMAll samples intact? Yes ☒ No ☐ Comments: \_\_\_\_\_Bottle labels/COCs agree? Yes ☒ No ☐ Comments: \_\_\_\_\_COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: \_\_\_\_\_Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments: \_\_\_\_\_

Water samples: pH checked: Yes ☐ No ☐ NA ☒ pH appropriate? Yes ☐ No ☐ NA ☒

Comments: \_\_\_\_\_

**Additional information:** \_\_\_\_\_Labeled by: KAM Witness: DJS Cooler Inspected by: KAM

Apex Laboratories

Philip Nerenberg, Lab Director

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## Attachment 7

---

### Basement Sediment Analytical



MAUL  
FOSTER  
ALONGI



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Tuesday, July 12, 2022

Jacob Faust

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

RE: A2G0142 - Blue Heron Paper Mill - 0496.02

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2G0142, which was received by the laboratory on 7/7/2022 at 11:00:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

---

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

3.6 degC

---

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

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Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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503-718-2323  
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Maul Foster & Alongi, INC.

3140 NE Broadway Street  
Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2G0142 - 07 12 22 1520

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SED-Comp-BASE 2	A2G0142-01	Sediment	07/07/22 10:15	07/07/22 11:00

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-Comp-BASE 2 (A2G0142-01)</b>				<b>Matrix: Sediment</b>		<b>Batch: 22G0146</b>		
Acetone	ND	---	2950	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Acrylonitrile	ND	---	295	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Benzene	ND	---	29.5	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Bromobenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Bromochloromethane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Bromodichloromethane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Bromoform	ND	---	295	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Bromomethane	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
2-Butanone (MEK)	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
n-Butylbenzene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
sec-Butylbenzene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
tert-Butylbenzene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Carbon disulfide	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Carbon tetrachloride	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Chlorobenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Chloroethane	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Chloroform	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Chloromethane	ND	---	737	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
2-Chlorotoluene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
4-Chlorotoluene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Dibromochloromethane	ND	---	295	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	737	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Dibromomethane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2-Dichlorobenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,3-Dichlorobenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,4-Dichlorobenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Dichlorodifluoromethane	ND	---	295	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1-Dichloroethane	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1-Dichloroethene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	

Apex Laboratories

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-Comp-BASE 2 (A2G0142-01)</b>				<b>Matrix: Sediment</b>		<b>Batch: 22G0146</b>		
1,2-Dichloropropane	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,3-Dichloropropane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
2,2-Dichloropropane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1-Dichloropropene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Ethylbenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Hexachlorobutadiene	ND	---	295	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
2-Hexanone	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Isopropylbenzene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
4-Isopropyltoluene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Methylene chloride	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Naphthalene	ND	---	295	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
n-Propylbenzene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Styrene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Toluene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	737	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	737	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1,1-Trichloroethane	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,1,2-Trichloroethane	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Trichloroethene (TCE)	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Trichlorofluoromethane	ND	---	1470	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2,3-Trichloropropane	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
Vinyl chloride	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
m,p-Xylene	ND	---	147	ug/kg dry	50	07/07/22 16:58	5035A/8260D	
o-Xylene	ND	---	73.7	ug/kg dry	50	07/07/22 16:58	5035A/8260D	

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Philip Nerenberg, Lab Director



# ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2G0142 - 07 12 22 1520**

## ANALYTICAL SAMPLE RESULTS

### Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-Comp-BASE 2 (A2G0142-01)</b>				<b>Matrix: Sediment</b>		<b>Batch: 22G0146</b>		
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery:	101 %	Limits:	80-120 %	1	07/07/22 16:58	5035A/8260D
Toluene-d8 (Surr)			100 %		80-120 %	1	07/07/22 16:58	5035A/8260D
4-Bromofluorobenzene (Surr)			99 %		79-120 %	1	07/07/22 16:58	5035A/8260D

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2G0142 - 07 12 22 1520

## ANALYTICAL SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-Comp-BASE 2 (A2G0142-01)</b>				<b>Matrix: Sediment</b>		<b>Batch: 22G0248</b>		<b>C-07</b>
Aroclor 1016	ND	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
Aroclor 1221	ND	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
Aroclor 1232	ND	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
Aroclor 1242	ND	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
Aroclor 1248	ND	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
<b>Aroclor 1254</b>	<b>22.1</b>	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
Aroclor 1260	ND	---	16.6	ug/kg dry	1	07/12/22 12:28	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 78 %</i>		<i>Limits: 60-125 %</i>	<i>1</i>	<i>07/12/22 12:28</i>	<i>EPA 8082A</i>	

Apex Laboratories

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520****ANALYTICAL SAMPLE RESULTS****Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SED-Comp-BASE 2 (A2G0142-01)			Matrix: Sediment					
Batch: 22G0211								
Arsenic	7.81	---	0.842	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Barium	105	---	0.842	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Cadmium	0.184	---	0.168	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Chromium	35.8	---	0.842	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Lead	9.96	---	0.168	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Mercury	ND	---	0.0673	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Selenium	ND	---	0.842	mg/kg dry	5	07/09/22 23:01	EPA 6020B	
Silver	0.295	---	0.168	mg/kg dry	5	07/09/22 23:01	EPA 6020B	

Apex Laboratories

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ANALYTICAL REPORT

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Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2G0142 - 07 12 22 1520

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SED-Comp-BASE 2 (A2G0142-01)				Matrix: Sediment		Batch: 22G0220		
% Solids	58.6	---	1.00	%	1	07/09/22 13:55	EPA 8000D	

Apex Laboratories

Philip Nerenberg, Lab Director

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520****QUALITY CONTROL (QC) SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
Blank (22G0146-BLK1)			Prepared: 07/07/22 08:00		Analyzed: 07/07/22 10:40							
5035A/8260D												
Acetone	ND	---	667	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
Blank (22G0146-BLK1)						Prepared: 07/07/22 08:00 Analyzed: 07/07/22 10:40						
1,2-Dichloropropane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 101 % Limits: 80-120 % Dilution: 1x												

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
Blank (22G0146-BLK1)			Prepared: 07/07/22 08:00		Analyzed: 07/07/22 10:40							
Surr: Toluene-d8 (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		103 %		79-120 %		"						
LCS (22G0146-BS1)			Prepared: 07/07/22 08:00		Analyzed: 07/07/22 09:46							
5035A/8260D												
Acetone	1830	---	1000	ug/kg wet	50	2000	---	91	80-120%	---	---	
Acrylonitrile	975	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
Benzene	982	---	10.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Bromobenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Bromochloromethane	958	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Bromodichloromethane	1160	---	50.0	ug/kg wet	50	1000	---	116	80-120%	---	---	
Bromoform	957	---	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
Bromomethane	960	---	500	ug/kg wet	50	1000	---	96	80-120%	---	---	
2-Butanone (MEK)	1930	---	500	ug/kg wet	50	2000	---	97	80-120%	---	---	
n-Butylbenzene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
sec-Butylbenzene	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
tert-Butylbenzene	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Carbon disulfide	925	---	500	ug/kg wet	50	1000	---	92	80-120%	---	---	
Carbon tetrachloride	1180	---	50.0	ug/kg wet	50	1000	---	118	80-120%	---	---	
Chlorobenzene	981	---	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Chloroethane	824	---	500	ug/kg wet	50	1000	---	82	80-120%	---	---	
Chloroform	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Chloromethane	659	---	250	ug/kg wet	50	1000	---	66	80-120%	---	---	Q-55
2-Chlorotoluene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
4-Chlorotoluene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Dibromochloromethane	968	---	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,2-Dibromo-3-chloropropane	961	---	250	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2-Dibromoethane (EDB)	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Dibromomethane	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,2-Dichlorobenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,3-Dichlorobenzene	1030	---	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,4-Dichlorobenzene	962	---	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Dichlorodifluoromethane	618	---	100	ug/kg wet	50	1000	---	62	80-120%	---	---	Q-55
1,1-Dichloroethane	989	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	

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Philip Nerenberg, Lab Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**

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503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520****QUALITY CONTROL (QC) SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 22G0146 - EPA 5035A</b>						<b>Soil</b>						
<b>LCS (22G0146-BS1)</b>						Prepared: 07/07/22 08:00 Analyzed: 07/07/22 09:46						
1,2-Dichloroethane (EDC)	982	---	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,1-Dichloroethene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
cis-1,2-Dichloroethene	972	---	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
trans-1,2-Dichloroethene	950	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,2-Dichloropropane	972	---	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,3-Dichloropropane	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
2,2-Dichloropropane	1120	---	50.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
1,1-Dichloropropene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,3-Dichloropropene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
trans-1,3-Dichloropropene	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Ethylbenzene	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Hexachlorobutadiene	1100	---	100	ug/kg wet	50	1000	---	110	80-120%	---	---	
2-Hexanone	1850	---	500	ug/kg wet	50	2000	---	93	80-120%	---	---	
Isopropylbenzene	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
4-Isopropyltoluene	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Methylene chloride	1030	---	500	ug/kg wet	50	1000	---	103	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2190	---	500	ug/kg wet	50	2000	---	109	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	963	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Naphthalene	1010	---	100	ug/kg wet	50	1000	---	101	80-120%	---	---	
n-Propylbenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Styrene	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Tetrachloroethene (PCE)	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Toluene	955	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2,3-Trichlorobenzene	1050	---	250	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,2,4-Trichlorobenzene	1080	---	250	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1,1-Trichloroethane	1090	---	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,1,2-Trichloroethane	1070	---	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Trichloroethene (TCE)	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Trichlorofluoromethane	896	---	500	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,2,3-Trichloropropane	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,2,4-Trimethylbenzene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,3,5-Trimethylbenzene	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
LCS (22G0146-BS1)			Prepared: 07/07/22 08:00		Analyzed: 07/07/22 09:46							
Vinyl chloride	814	---	25.0	ug/kg wet	50	1000	---	81	80-120%	---	---	
m,p-Xylene	2090	---	50.0	ug/kg wet	50	2000	---	105	80-120%	---	---	
o-Xylene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 102 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		101 %		79-120 %		"						

**Duplicate (22G0146-DUP1)**

Prepared: 07/06/22 19:25 Analyzed: 07/07/22 13:49

V-16

**QC Source Sample: Non-SDG (A2G0110-01)**

Acetone	ND	---	941	ug/kg dry	50	---	ND	---	---	---	30%
Acrylonitrile	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%
Benzene	ND	---	9.41	ug/kg dry	50	---	ND	---	---	---	30%
Bromobenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%
Bromochloromethane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Bromodichloromethane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Bromoform	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%
Bromomethane	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%
2-Butanone (MEK)	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%
n-Butylbenzene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
sec-Butylbenzene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
tert-Butylbenzene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Carbon disulfide	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%
Carbon tetrachloride	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Chlorobenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%
Chloroethane	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%
Chloroform	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Chloromethane	ND	---	235	ug/kg dry	50	---	ND	---	---	---	30%
2-Chlorotoluene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
4-Chlorotoluene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Dibromochloromethane	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%
1,2-Dibromo-3-chloropropane	ND	---	235	ug/kg dry	50	---	ND	---	---	---	30%
1,2-Dibromoethane (EDB)	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
Dibromomethane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%
1,2-Dichlorobenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
Duplicate (22G0146-DUP1)			Prepared: 07/06/22 19:25    Analyzed: 07/07/22 13:49						V-16			
QC Source Sample: Non-SDG (A2G0110-01)												
1,3-Dichlorobenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	1070	---	47.0	ug/kg dry	50	---	1210	---	---	12	30%	
Methylene chloride	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	47.0	ug/kg dry	50	---	25.4	---	---	***	30%	
1,2,3-Trichlorobenzene	ND	---	235	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	235	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 22G0146 - EPA 5035A						Soil							
Duplicate (22G0146-DUP1)			Prepared: 07/06/22 19:25		Analyzed: 07/07/22 13:49		V-16						
QC Source Sample: Non-SDG (A2G0110-01)													
Trichloroethene (TCE)	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%	R-02	
Trichlorofluoromethane	ND	---	470	ug/kg dry	50	---	ND	---	---	---	30%		
1,2,3-Trichloropropane	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%		
1,2,4-Trimethylbenzene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%		
1,3,5-Trimethylbenzene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%		
Vinyl chloride	ND	---	23.5	ug/kg dry	50	---	ND	---	---	---	30%		
m,p-Xylene	ND	---	47.0	ug/kg dry	50	---	ND	---	---	---	30%		
o-Xylene	ND	---	94.1	ug/kg dry	50	---	ND	---	---	---	30%		
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 101 %		Limits: 80-120 %		Dilution: 1x							
Toluene-d8 (Surr)		100 %		80-120 %		"							
4-Bromofluorobenzene (Surr)		102 %		79-120 %		"							
Matrix Spike (22G0146-MS1)						Prepared: 07/06/22 19:25		Analyzed: 07/07/22 16:04		V-16			
QC Source Sample: Non-SDG (A2G0110-06)													
5035A/8260D													
Acetone	1650	---	1040	ug/kg dry	50	2090	ND	79	36-164%	---	---	Q-54	
Acrylonitrile	1010	---	104	ug/kg dry	50	1050	ND	97	65-134%	---	---		
Benzene	1100	---	10.4	ug/kg dry	50	1050	ND	106	77-121%	---	---		
Bromobenzene	1160	---	26.1	ug/kg dry	50	1050	ND	111	78-121%	---	---		
Bromochloromethane	1050	---	52.2	ug/kg dry	50	1050	ND	100	78-125%	---	---		
Bromodichloromethane	1280	---	52.2	ug/kg dry	50	1050	ND	123	75-127%	---	---		
Bromoform	1020	---	104	ug/kg dry	50	1050	ND	98	67-132%	---	---		
Bromomethane	1000	---	522	ug/kg dry	50	1050	ND	96	53-143%	---	---		
2-Butanone (MEK)	1870	---	522	ug/kg dry	50	2090	ND	89	51-148%	---	---		
n-Butylbenzene	1280	---	52.2	ug/kg dry	50	1050	ND	123	70-128%	---	---		
sec-Butylbenzene	1260	---	52.2	ug/kg dry	50	1050	ND	120	73-126%	---	---		
tert-Butylbenzene	1180	---	52.2	ug/kg dry	50	1050	ND	113	73-125%	---	---		
Carbon disulfide	947	---	522	ug/kg dry	50	1050	ND	91	63-132%	---	---		
Carbon tetrachloride	1360	---	52.2	ug/kg dry	50	1050	ND	131	70-135%	---	---		
Chlorobenzene	1090	---	26.1	ug/kg dry	50	1050	ND	105	79-120%	---	---		
Chloroethane	1240	---	522	ug/kg dry	50	1050	ND	118	59-139%	---	---		
Chloroform	1140	---	52.2	ug/kg dry	50	1050	ND	109	78-123%	---	---		
Chloromethane	727	---	261	ug/kg dry	50	1050	ND	70	50-136%	---	---		

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
Matrix Spike (22G0146-MS1)			Prepared: 07/06/22 19:25		Analyzed: 07/07/22 16:04		V-16					
QC Source Sample: Non-SDG (A2G0110-06)												
2-Chlorotoluene	1180	---	52.2	ug/kg dry	50	1050	ND	113	75-122%	---	---	Q-54a
4-Chlorotoluene	1170	---	52.2	ug/kg dry	50	1050	ND	112	72-124%	---	---	
Dibromochloromethane	1040	---	104	ug/kg dry	50	1050	ND	100	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1090	---	261	ug/kg dry	50	1050	ND	104	61-132%	---	---	
1,2-Dibromoethane (EDB)	1200	---	52.2	ug/kg dry	50	1050	ND	115	78-122%	---	---	
Dibromomethane	1100	---	52.2	ug/kg dry	50	1050	ND	106	78-125%	---	---	
1,2-Dichlorobenzene	1130	---	26.1	ug/kg dry	50	1050	ND	108	78-121%	---	---	
1,3-Dichlorobenzene	1150	---	26.1	ug/kg dry	50	1050	ND	110	77-121%	---	---	
1,4-Dichlorobenzene	1040	---	26.1	ug/kg dry	50	1050	ND	100	75-120%	---	---	
Dichlorodifluoromethane	721	---	104	ug/kg dry	50	1050	ND	69	29-149%	---	---	
1,1-Dichloroethane	1120	---	26.1	ug/kg dry	50	1050	ND	107	76-125%	---	---	Q-01
1,2-Dichloroethane (EDC)	1060	---	26.1	ug/kg dry	50	1050	ND	102	73-128%	---	---	
1,1-Dichloroethene	1040	---	26.1	ug/kg dry	50	1050	ND	100	70-131%	---	---	
cis-1,2-Dichloroethene	1090	---	26.1	ug/kg dry	50	1050	ND	104	77-123%	---	---	
trans-1,2-Dichloroethene	1090	---	26.1	ug/kg dry	50	1050	ND	104	74-125%	---	---	
1,2-Dichloropropane	1070	---	26.1	ug/kg dry	50	1050	ND	102	76-123%	---	---	
1,3-Dichloropropane	1130	---	52.2	ug/kg dry	50	1050	ND	108	77-121%	---	---	
2,2-Dichloropropane	1190	---	52.2	ug/kg dry	50	1050	ND	114	67-133%	---	---	
1,1-Dichloropropene	1170	---	52.2	ug/kg dry	50	1050	ND	112	76-125%	---	---	
cis-1,3-Dichloropropene	1100	---	52.2	ug/kg dry	50	1050	ND	106	74-126%	---	---	
trans-1,3-Dichloropropene	1070	---	52.2	ug/kg dry	50	1050	ND	102	71-130%	---	---	Q-01
Ethylbenzene	1150	---	26.1	ug/kg dry	50	1050	ND	110	76-122%	---	---	
Hexachlorobutadiene	1680	---	104	ug/kg dry	50	1050	ND	161	61-135%	---	---	
2-Hexanone	2040	---	522	ug/kg dry	50	2090	ND	97	53-145%	---	---	
Isopropylbenzene	1260	---	52.2	ug/kg dry	50	1050	ND	121	68-134%	---	---	
4-Isopropyltoluene	1310	---	52.2	ug/kg dry	50	1050	27.2	123	73-127%	---	---	
Methylene chloride	1010	---	522	ug/kg dry	50	1050	ND	97	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2350	---	522	ug/kg dry	50	2090	ND	113	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1050	---	52.2	ug/kg dry	50	1050	ND	101	73-125%	---	---	
Naphthalene	1240	---	104	ug/kg dry	50	1050	ND	119	62-129%	---	---	
n-Propylbenzene	1210	---	26.1	ug/kg dry	50	1050	ND	116	73-125%	---	---	
Styrene	1140	---	52.2	ug/kg dry	50	1050	ND	109	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1130	---	26.1	ug/kg dry	50	1050	ND	108	78-125%	---	---	

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Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0146 - EPA 5035A						Soil						
Matrix Spike (22G0146-MS1)			Prepared: 07/06/22 19:25    Analyzed: 07/07/22 16:04					V-16				
QC Source Sample: Non-SDG (A2G0110-06)												
1,1,2,2-Tetrachloroethane	1160	---	52.2	ug/kg dry	50	1050	ND	111	70-124%	---	---	
Tetrachloroethene (PCE)	1170	---	26.1	ug/kg dry	50	1050	ND	112	73-128%	---	---	
Toluene	1080	---	52.2	ug/kg dry	50	1050	ND	103	77-121%	---	---	
1,2,3-Trichlorobenzene	1230	---	261	ug/kg dry	50	1050	ND	118	66-130%	---	---	
1,2,4-Trichlorobenzene	1260	---	261	ug/kg dry	50	1050	ND	121	67-129%	---	---	
1,1,1-Trichloroethane	1250	---	26.1	ug/kg dry	50	1050	ND	120	73-130%	---	---	
1,1,2-Trichloroethane	1150	---	26.1	ug/kg dry	50	1050	ND	110	78-121%	---	---	
Trichloroethene (TCE)	1190	---	26.1	ug/kg dry	50	1050	ND	114	77-123%	---	---	
Trichlorofluoromethane	1340	---	522	ug/kg dry	50	1050	ND	129	62-140%	---	---	
1,2,3-Trichloropropane	1140	---	52.2	ug/kg dry	50	1050	ND	109	73-125%	---	---	
1,2,4-Trimethylbenzene	1200	---	52.2	ug/kg dry	50	1050	ND	115	75-123%	---	---	
1,3,5-Trimethylbenzene	1220	---	52.2	ug/kg dry	50	1050	ND	117	73-124%	---	---	
Vinyl chloride	901	---	26.1	ug/kg dry	50	1050	ND	86	56-135%	---	---	
m,p-Xylene	2330	---	52.2	ug/kg dry	50	2090	ND	111	77-124%	---	---	
o-Xylene	1170	---	26.1	ug/kg dry	50	1050	ND	112	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 101 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		100 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		101 %		79-120 %		"						

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Philip Nerenberg, Lab Director

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Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0248 - EPA 3546												
Sediment												
Blank (22G0248-BLK1)			Prepared: 07/11/22 08:02			Analyzed: 07/12/22 08:54			C-07			
EPA 8082A												
Aroclor 1016	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	---	3.64	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 87 %		Limits: 60-125 %		Dilution: 1x						
LCS (22G0248-BS1)												
Prepared: 07/11/22 08:02			Analyzed: 07/12/22 09:12			C-07						
EPA 8082A												
Aroclor 1016	200	---	4.00	ug/kg wet	1	250	---	80	47-134%	---	---	
Aroclor 1260	200	---	4.00	ug/kg wet	1	250	---	80	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 100 %		Limits: 60-125 %		Dilution: 1x						
Duplicate (22G0248-DUP1)												
Prepared: 07/11/22 08:02			Analyzed: 07/12/22 10:05			C-07						
QC Source Sample: Non-SDG (A2F0980-02)												
Aroclor 1016	ND	---	5.07	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	---	5.07	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	---	5.07	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	---	5.07	ug/kg dry	1	---	3.18	---	---	***	30%	
Aroclor 1248	ND	---	5.07	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	161	---	5.07	ug/kg dry	1	---	6.78	---	---	184	30%	Q-17
Aroclor 1260	ND	---	5.07	ug/kg dry	1	---	2.54	---	---	***	30%	
Surr: Decachlorobiphenyl (Surr)		Recovery: 93 %		Limits: 60-125 %		Dilution: 1x						
Matrix Spike (22G0248-MS1)												
Prepared: 07/11/22 08:02			Analyzed: 07/12/22 11:17			C-07						
QC Source Sample: Non-SDG (A2F0980-03)												
EPA 8082A												
Aroclor 1016	246	---	5.33	ug/kg dry	1	333	ND	74	47-134%	---	---	
Aroclor 1260	245	---	5.33	ug/kg dry	1	333	ND	73	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 88 %		Limits: 60-125 %		Dilution: 1x						

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Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0248 - EPA 3546						Sediment						
Matrix Spike Dup (22G0248-MSD1)			Prepared: 07/11/22 08:06   Analyzed: 07/12/22 11:52									C-07
QC Source Sample: Non-SDG (A2F0980-03)												
Aroclor 1016	228	---	5.30	ug/kg dry	1	331	ND	69	47-134%	8	30%	
Aroclor 1260	236	---	5.30	ug/kg dry	1	331	ND	71	53-140%	4	30%	
Surr: Decachlorobiphenyl (Surr)		Recovery: 90 %		Limits: 60-125 %		Dilution: 1x						

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## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 22G0211 - EPA 3051A</b>												
<b>Sediment</b>												
<b>Blank (22G0211-BLK1)</b>												
Prepared: 07/08/22 11:30 Analyzed: 07/09/22 22:32												
<b>EPA 6020B</b>												
Arsenic	ND	---	0.481	mg/kg wet	5	---	---	---	---	---	---	
Barium	ND	---	0.481	mg/kg wet	5	---	---	---	---	---	---	
Cadmium	ND	---	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Chromium	ND	---	0.481	mg/kg wet	5	---	---	---	---	---	---	
Lead	ND	---	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Mercury	ND	---	0.0385	mg/kg wet	5	---	---	---	---	---	---	
Selenium	ND	---	0.481	mg/kg wet	5	---	---	---	---	---	---	
Silver	ND	---	0.0962	mg/kg wet	5	---	---	---	---	---	---	
<b>LCS (22G0211-BS1)</b>												
Prepared: 07/08/22 11:30 Analyzed: 07/09/22 22:37												
<b>EPA 6020B</b>												
Arsenic	24.8	---	0.500	mg/kg wet	5	25.0	---	99	80-120%	---	---	
Barium	24.6	---	0.500	mg/kg wet	5	25.0	---	99	80-120%	---	---	
Cadmium	24.1	---	0.100	mg/kg wet	5	25.0	---	97	80-120%	---	---	
Chromium	25.9	---	0.500	mg/kg wet	5	25.0	---	104	80-120%	---	---	
Lead	25.7	---	0.100	mg/kg wet	5	25.0	---	103	80-120%	---	---	
Mercury	0.488	---	0.0400	mg/kg wet	5	0.500	---	98	80-120%	---	---	
Selenium	11.7	---	0.500	mg/kg wet	5	12.5	---	94	80-120%	---	---	
Silver	12.8	---	0.100	mg/kg wet	5	12.5	---	103	80-120%	---	---	
<b>Duplicate (22G0211-DUP1)</b>												
Prepared: 07/08/22 11:30 Analyzed: 07/09/22 23:45												
<b>QC Source Sample: Non-SDG (A2G0155-24)</b>												
Arsenic	<b>6.23</b>	---	0.653	mg/kg dry	5	---	4.95	---	---	<b>23</b>	<b>20%</b>	Q-04
Barium	<b>99.7</b>	---	0.653	mg/kg dry	5	---	126	---	---	<b>23</b>	<b>20%</b>	Q-04
Cadmium	ND	---	0.131	mg/kg dry	5	---	0.0750	---	---	***	20%	
Chromium	<b>14.3</b>	---	0.653	mg/kg dry	5	---	15.5	---	---	8	20%	
Lead	<b>6.12</b>	---	0.131	mg/kg dry	5	---	6.50	---	---	6	20%	
Mercury	ND	---	0.0522	mg/kg dry	5	---	ND	---	---	---	20%	
Silver	ND	---	0.131	mg/kg dry	5	---	ND	---	---	---	20%	

## Duplicate (22G0211-DUP2)

Prepared: 07/08/22 11:30 Analyzed: 07/11/22 16:11

**QC Source Sample: Non-SDG (A2G0155-24RE1)**

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: 0496.02

Project Manager: Jacob Faust

Report ID:

A2G0142 - 07 12 22 1520

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0211 - EPA 3051A						Sediment						
Duplicate (22G0211-DUP2)			Prepared: 07/08/22 11:30    Analyzed: 07/11/22 16:11									
QC Source Sample: Non-SDG (A2G0155-24RE1)												
Selenium	ND	---	0.653	mg/kg dry	5	---	0.345	---	---	***	20%	Q-16
Matrix Spike (22G0211-MS1)			Prepared: 07/08/22 11:30    Analyzed: 07/09/22 23:50									
QC Source Sample: Non-SDG (A2G0155-24)												
EPA 6020B												
Arsenic	36.9	---	0.663	mg/kg dry	5	33.2	4.95	96	75-125%	---	---	Q-04
Barium	125	---	0.663	mg/kg dry	5	33.2	126	-2	75-125%	---	---	
Cadmium	32.2	---	0.133	mg/kg dry	5	33.2	0.0750	97	75-125%	---	---	
Chromium	49.8	---	0.663	mg/kg dry	5	33.2	15.5	103	75-125%	---	---	
Lead	38.2	---	0.133	mg/kg dry	5	33.2	6.50	95	75-125%	---	---	
Mercury	0.648	---	0.0531	mg/kg dry	5	0.663	ND	98	75-125%	---	---	
Silver	17.3	---	0.133	mg/kg dry	5	16.6	ND	105	75-125%	---	---	
Matrix Spike (22G0211-MS2)			Prepared: 07/08/22 11:30    Analyzed: 07/11/22 16:16									
QC Source Sample: Non-SDG (A2G0155-24RE1)												
EPA 6020B												
Selenium	16.7	---	0.663	mg/kg dry	5	16.6	0.345	99	75-125%	---	---	Q-16
Matrix Spike Dup (22G0211-MSD1)			Prepared: 07/08/22 11:30    Analyzed: 07/09/22 23:55									
QC Source Sample: Non-SDG (A2G0155-24)												
Arsenic	36.4	---	0.649	mg/kg dry	5	32.5	4.95	97	75-125%	1	20%	Q-04
Barium	121	---	0.649	mg/kg dry	5	32.5	126	-14	75-125%	3	20%	
Cadmium	32.2	---	0.130	mg/kg dry	5	32.5	0.0750	99	75-125%	0.09	20%	
Chromium	50.0	---	0.649	mg/kg dry	5	32.5	15.5	106	75-125%	0.5	20%	
Lead	38.2	---	0.130	mg/kg dry	5	32.5	6.50	98	75-125%	0.01	20%	
Mercury	0.640	---	0.0519	mg/kg dry	5	0.649	ND	99	75-125%	1	20%	
Silver	17.1	---	0.130	mg/kg dry	5	16.2	ND	106	75-125%	1	20%	
Matrix Spike Dup (22G0211-MSD2)			Prepared: 07/08/22 11:30    Analyzed: 07/11/22 16:20									
QC Source Sample: Non-SDG (A2G0155-24RE1)												
Selenium	17.0	---	0.649	mg/kg dry	5	16.2	0.345	102	75-125%	1	20%	Q-16

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0220 - Total Solids (Dry Weight)						Soil						
Duplicate (22G0220-DUP1)			Prepared: 07/08/22 13:45    Analyzed: 07/09/22 13:55						PRO			
QC Source Sample: Non-SDG (A2G0023-02)												
% Solids	96.5	---	1.00	%	1	---	96.5	---	---	0.05	10%	
Duplicate (22G0220-DUP2)			Prepared: 07/08/22 13:45    Analyzed: 07/09/22 13:55						PRO			
QC Source Sample: Non-SDG (A2G0023-04)												
% Solids	96.7	---	1.00	%	1	---	96.8	---	---	0.1	10%	
Duplicate (22G0220-DUP3)			Prepared: 07/08/22 13:45    Analyzed: 07/09/22 13:55						PRO			
QC Source Sample: Non-SDG (A2G0023-06)												
% Solids	96.5	---	1.00	%	1	---	96.6	---	---	0.08	10%	
Duplicate (22G0220-DUP4)			Prepared: 07/08/22 13:45    Analyzed: 07/09/22 13:55						PRO			
QC Source Sample: Non-SDG (A2G0023-08)												
% Solids	96.7	---	1.00	%	1	---	96.8	---	---	0.1	10%	
Duplicate (22G0220-DUP5)			Prepared: 07/08/22 19:00    Analyzed: 07/09/22 13:55						PRO			
QC Source Sample: Non-SDG (A2G0210-01)												
% Solids	95.6	---	1.00	%	1	---	95.6	---	---	0.03	10%	
Duplicate (22G0220-DUP6)			Prepared: 07/08/22 19:00    Analyzed: 07/09/22 13:55						PRO			
QC Source Sample: Non-SDG (A2G0216-01)												
% Solids	93.5	---	1.00	%	1	---	92.3	---	---	1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **0496.02**Project Manager: **Jacob Faust****Report ID:****A2G0142 - 07 12 22 1520****SAMPLE PREPARATION INFORMATION****Volatile Organic Compounds by EPA 8260D****Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 22G0146</u></b>							
A2G0142-01	Sediment	5035A/8260D	07/07/22 10:15	07/07/22 10:15	3.81g/5mL	5g/5mL	1.31

**Polychlorinated Biphenyls by EPA 8082A****Prep: EPA 3546**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 22G0248</u></b>							
A2G0142-01	Sediment	EPA 8082A	07/07/22 10:15	07/11/22 08:02	10.27g/5mL	10g/5mL	0.97

**Total Metals by EPA 6020B (ICPMS)****Prep: EPA 3051A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 22G0211</u></b>							
A2G0142-01	Sediment	EPA 6020B	07/07/22 10:15	07/08/22 11:30	0.507g/50mL	0.5g/50mL	0.99

**Percent Dry Weight****Prep: Total Solids (Dry Weight)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b><u>Batch: 22G0220</u></b>							
A2G0142-01	Sediment	EPA 8000D	07/07/22 10:15	07/08/22 13:45			NA

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3140 NE Broadway Street  
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Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2G0142 - 07 12 22 1520**

## QUALIFIER DEFINITIONS

### **Client Sample and Quality Control (QC) Sample Qualifier Definitions:**

#### **Apex Laboratories**

- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- PRO** Sample has undergone sample processing prior to extraction and analysis.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-17** RPD between original and duplicate sample is outside of established control limits.
- Q-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -14%. The results are reported as Estimated Values.
- Q-54a** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -18%. The results are reported as Estimated Values.
- Q-55** Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- V-16** Sample aliquot was subsampled from the sample container in the laboratory. The subsampled aliquot was not preserved within 48 hours of sampling.

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Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2G0142 - 07 12 22 1520**

### REPORTING NOTES AND CONVENTIONS:

#### Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.  
ND Analyte NOT DETECTED at or above the detection or reporting limit.  
NR Result Not Reported  
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

#### Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).  
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

#### Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

#### Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.  
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.  
  
"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")  
See Percent Solids section for details of dry weight analysis.  
"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.  
" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

#### QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

#### Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.  
  
" \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

#### Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).  
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.  
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.  
For further details, please request a copy of this document.

Apex Laboratories

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

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503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2G0142 - 07 12 22 1520**

### REPORTING NOTES AND CONVENTIONS (Cont.):

#### **Blanks (Cont.):**

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

#### **Preparation Notes:**

##### **Mixed Matrix Samples:**

##### **Water Samples:**

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

##### **Soil and Sediment Samples:**

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

#### **Sampling and Preservation Notes:**

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

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Project: **Blue Heron Paper Mill**

Project Number: **0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2G0142 - 07 12 22 1520**

### LABORATORY ACCREDITATION INFORMATION

**ORELAP Certification ID: OR100062 (Primary Accreditation)** -

**EPA ID: OR01039**

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

#### **Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

#### **Secondary Accreditations**

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

#### **Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

#### **Field Testing Parameters**

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

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3140 NE Broadway Street  
Portland, OR 97232

Project: Blue Heron Paper MillProject Number: 0496.02Project Manager: Jacob FaustReport ID:

A2G0142 - 07 12 22 1520

APEX LABS		CHAIN OF CUSTODY		Lab # <u>0760142</u> COC <u>1</u> of <u>1</u>	
Company: MAUL FOSTER & ALONGI		Project Mgr: JACOB FAUST		Project Name: BLUE HERON	
Address: 6 CENTERPOINTE DR., SUITE 360, LAKE OSWEGO, OR 97031		Phone: 503-501-5224		Email: jfaust@maulfooster.com	
Sampled by: CHRIS CLOUGH		Project #: 0496.02		PO #	
ANALYSIS REQUEST					
SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID
SED-COMP-BASE 2	7/7/22	1015	S	5	
TAT Requested (circle) 1 Day 2 Day 3 Day Other: _____					
SAMPLES ARE HELD FOR 30 DAYS					
RELINQUISHED BY:		RECEIVED BY:		RECEIVED BY:	
Signature: _____	Date: 7/7/22	Signature: _____	Date: 7/7/22	Signature: _____	Date: _____
Printed Name: CHRIS CLOUGH	Time: 1100	Printed Name: _____	Time: 1100	Printed Name: _____	Time: _____
Company: MFA		Company: _____		Company: _____	

SPECIAL INSTRUCTIONS:	
Standard Turn Around Time (TAT) = 10 Business Days	
TCLP Metals (8)	
Priority Metals (13)	
RCRA Metals (8)	
8081 Pesticides	
8082 PCBs	
8270 Semi-Vols Full List	
8270 SIM PAHs	
8260 VOCs Full List	
8260 Halo VOCs	
8260 RBDM VOCs	
8260 BTEX	
NWTPH-GX	
NWTPH-DX	
NWTPH-HCID	
TOTAL DISS.	
Hg, Mg, Mn, Mo, Ni, K, Ca, Cr, Co, Cu, Fe, Pb, Al, Sb, As, Ba, Be, Cd, Se, Ag, Na, Ti, V, Zn	
Hold Sample	
Frozen Archive	

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Portland, OR 97232

Project: Blue Heron Paper MillProject Number: 0496.02Project Manager: Jacob FaustReport ID:A2G0142 - 07 12 22 1520APEX LABS COOLER RECEIPT FORMClient: Maul Foster Alongi Element WO#: A2 60142Project/Project #: Blue Heron | 0496.02Delivery Info:Date/time received: 7/17/12 @ 1100 By: msDelivered by: Apex ☐ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐Cooler Inspection Date/time inspected: 7/17/12 @ 1100 By: msChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>3.6</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) N Possible reason why:Green dots applied to out of temperature samples? Yes ☐ No ☒Out of temperature samples form initiated? Yes ☐ No ☒Sample Inspection: Date/time inspected: 7/17/12 @ 1208 By: APCAll samples intact? Yes ☒ No ☐ Comments: \_\_\_\_\_Bottle labels/COCs agree? Yes ☒ No ☐ Comments: \_\_\_\_\_COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: \_\_\_\_\_Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments: \_\_\_\_\_

Water samples: pH checked: Yes ☐ No ☐ NA ☒ pH appropriate? Yes ☐ No ☐ NA ☒

Comments: \_\_\_\_\_

Additional information:

Labeled by:

APC

Witness:

DJS

Cooler Inspected by:

h

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
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ORELAP ID: OR100062

Wednesday, June 22, 2022

Jacob Faust  
Maul Foster & Alongi, INC.  
3140 NE Broadway Street  
Portland, OR 97232

RE: A2F0586 - Blue Heron Paper Mill - M0496.02

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2F0586, which was received by the laboratory on 6/16/2022 at 1:08:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [pnerenberg@apex-labs.com](mailto:pnerenberg@apex-labs.com), or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

---

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	5.8 degC
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This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

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Apex Laboratories

Philip Nerenberg, Lab Director

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SED-COMP-BASE 1	A2F0586-01	Soil	06/16/22 07:45	06/16/22 13:08
SOIL-COMP-TANK	A2F0586-02	Soil	06/16/22 11:20	06/16/22 13:08

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-BASE 1 (A2F0586-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
Acetone	ND	---	8410	ug/kg dry	50	06/17/22 12:36	5035A/8260D	ICV-02
Acrylonitrile	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Benzene	ND	---	84.1	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Bromobenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Bromochloromethane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Bromodichloromethane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Bromoform	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Bromomethane	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
2-Butanone (MEK)	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
n-Butylbenzene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
sec-Butylbenzene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
tert-Butylbenzene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Carbon disulfide	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Carbon tetrachloride	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Chlorobenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Chloroethane	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Chloroform	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Chloromethane	ND	---	2100	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
2-Chlorotoluene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
4-Chlorotoluene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Dibromochloromethane	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	2100	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Dibromomethane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2-Dichlorobenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,3-Dichlorobenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,4-Dichlorobenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Dichlorodifluoromethane	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1-Dichloroethane	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1-Dichloroethene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-BASE 1 (A2F0586-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
1,2-Dichloropropane	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,3-Dichloropropane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
2,2-Dichloropropane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1-Dichloropropene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Ethylbenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Hexachlorobutadiene	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
2-Hexanone	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Isopropylbenzene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
4-Isopropyltoluene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Methylene chloride	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	4210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Naphthalene	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
n-Propylbenzene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Styrene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Toluene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	2100	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	2100	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1,1-Trichloroethane	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,1,2-Trichloroethane	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Trichloroethene (TCE)	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Trichlorofluoromethane	ND	---	841	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2,3-Trichloropropane	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
Vinyl chloride	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
m,p-Xylene	ND	---	421	ug/kg dry	50	06/17/22 12:36	5035A/8260D	
o-Xylene	ND	---	210	ug/kg dry	50	06/17/22 12:36	5035A/8260D	

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Philip Nerenberg, Lab Director

Page 4 of 31



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-BASE 1 (A2F0586-01)</b>		<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>				
Surrogate: 1,4-Difluorobenzene (Surr)		Recovery: 99 %	Limits: 80-120 %	1	06/17/22 12:36	5035A/8260D		
Toluene-d8 (Surr)		100 %	80-120 %	1	06/17/22 12:36	5035A/8260D		
4-Bromofluorobenzene (Surr)		98 %	79-120 %	1	06/17/22 12:36	5035A/8260D		
<b>SOIL-COMP-TANK (A2F0586-02)</b>		<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>				
Acetone	ND	---	1040	ug/kg dry	50	06/17/22 15:18	5035A/8260D	ICV-02
Acrylonitrile	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Benzene	ND	---	10.4	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Bromobenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Bromochloromethane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Bromodichloromethane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Bromoform	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Bromomethane	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
2-Butanone (MEK)	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
n-Butylbenzene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
sec-Butylbenzene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
tert-Butylbenzene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Carbon disulfide	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Carbon tetrachloride	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Chlorobenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Chloroethane	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Chloroform	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Chloromethane	ND	---	260	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
2-Chlorotoluene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
4-Chlorotoluene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Dibromochloromethane	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	260	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Dibromomethane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2-Dichlorobenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,3-Dichlorobenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,4-Dichlorobenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Dichlorodifluoromethane	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1-Dichloroethane	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	

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Philip Nerenberg, Lab Director

**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623****ANALYTICAL SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SOIL-COMP-TANK (A2F0586-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
1,2-Dichloroethane (EDC)	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1-Dichloroethene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2-Dichloropropane	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,3-Dichloropropane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
2,2-Dichloropropane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1-Dichloropropene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Ethylbenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Hexachlorobutadiene	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
2-Hexanone	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Isopropylbenzene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
4-Isopropyltoluene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Methylene chloride	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
4-Methyl-2-pentanone (MIBK)	ND	---	520	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Naphthalene	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
n-Propylbenzene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Styrene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Toluene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	260	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	260	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1,1-Trichloroethane	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,1,2-Trichloroethane	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Trichloroethene (TCE)	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Trichlorofluoromethane	ND	---	104	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2,3-Trichloropropane	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## ANALYTICAL SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SOIL-COMP-TANK (A2F0586-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0631</b>		
1,3,5-Trimethylbenzene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
Vinyl chloride	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
m,p-Xylene	ND	---	52.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
o-Xylene	ND	---	26.0	ug/kg dry	50	06/17/22 15:18	5035A/8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>			<i>Recovery: 98 %</i>	<i>Limits: 80-120 %</i>	<i>1</i>	<i>06/17/22 15:18</i>	<i>5035A/8260D</i>	
<i>Toluene-d8 (Surr)</i>			<i>101 %</i>	<i>80-120 %</i>	<i>1</i>	<i>06/17/22 15:18</i>	<i>5035A/8260D</i>	
<i>4-Bromofluorobenzene (Surr)</i>			<i>98 %</i>	<i>79-120 %</i>	<i>1</i>	<i>06/17/22 15:18</i>	<i>5035A/8260D</i>	

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 06 22 22 1623

## ANALYTICAL SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-BASE 1 (A2F0586-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1221	ND	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1232	ND	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1242	ND	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
Aroclor 1248	ND	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
<b>Aroclor 1254</b>	<b>56.4</b>	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	<b>Q-39</b>
Aroclor 1260	ND	---	29.8	ug/kg dry	1	06/20/22 09:14	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 32 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>	<i>06/20/22 09:14</i>	<i>EPA 8082A</i>	<i>S-03</i>	
<b>SOIL-COMP-TANK (A2F0586-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0645</b>		<b>C-07</b>
Aroclor 1016	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1221	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1232	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1242	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1248	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1254	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
Aroclor 1260	ND	---	10.4	ug/kg dry	1	06/20/22 10:25	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>	<i>Limits: 60-125 %</i>	<i>1</i>	<i>06/20/22 10:25</i>	<i>EPA 8082A</i>		

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Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 06 22 22 1623

## ANALYTICAL SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SED-COMP-BASE 1 (A2F0586-01)				Matrix: Soil				
Batch: 22F0662								
Arsenic	6.37	---	3.05	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Barium	101	---	3.05	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Cadmium	ND	---	0.611	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Chromium	14.6	---	3.05	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Lead	8.56	---	0.611	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Mercury	ND	---	0.244	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Selenium	ND	---	3.05	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
Silver	ND	---	0.611	mg/kg dry	10	06/20/22 13:03	EPA 6020B	
SOIL-COMP-TANK (A2F0586-02)				Matrix: Soil				
Batch: 22F0662								
Arsenic	1.31	---	1.13	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Barium	68.6	---	1.13	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Cadmium	ND	---	0.225	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Chromium	19.1	---	1.13	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Lead	7.69	---	0.225	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Mercury	ND	---	0.0902	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Selenium	ND	---	1.13	mg/kg dry	10	06/20/22 13:08	EPA 6020B	
Silver	ND	---	0.225	mg/kg dry	10	06/20/22 13:08	EPA 6020B	

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ANALYTICAL REPORT

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Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

**Report ID:**

A2F0586 - 06 22 22 1623

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
<b>SED-COMP-BASE 1 (A2F0586-01)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	33.2	---	1.00	%	1	06/21/22 09:29	EPA 8000D	
<b>SOIL-COMP-TANK (A2F0586-02)</b>				<b>Matrix: Soil</b>		<b>Batch: 22F0715</b>		
% Solids	93.8	---	1.00	%	1	06/21/22 09:29	EPA 8000D	

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623****QUALITY CONTROL (QC) SAMPLE RESULTS****Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Blank (22F0631-BLK1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 10:49							
5035A/8260D												
Acetone	ND	---	667	ug/kg wet	50	---	---	---	---	---	---	ICV-02
Acrylonitrile	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Blank (22F0631-BLK1)						Prepared: 06/17/22 08:00 Analyzed: 06/17/22 10:49						
1,2-Dichloropropane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 99 % Limits: 80-120 % Dilution: 1x												

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Blank (22F0631-BLK1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 10:49							
Surr: Toluene-d8 (Surr)		Recovery: 102 %		Limits: 80-120 %		Dilution: 1x						
4-Bromofluorobenzene (Surr)		98 %		79-120 %		"						
LCS (22F0631-BS1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 09:47							
5035A/8260D												
Acetone	1640	---	1000	ug/kg wet	50	2000	---	82	80-120%	---	---	ICV-02
Acrylonitrile	976	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
Benzene	992	---	10.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromobenzene	995	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	Q-56
Bromochloromethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Bromodichloromethane	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Bromoform	887	---	100	ug/kg wet	50	1000	---	89	80-120%	---	---	
Bromomethane	1170	---	500	ug/kg wet	50	1000	---	117	80-120%	---	---	
2-Butanone (MEK)	1790	---	500	ug/kg wet	50	2000	---	90	80-120%	---	---	
n-Butylbenzene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
sec-Butylbenzene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
tert-Butylbenzene	971	---	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Carbon disulfide	825	---	500	ug/kg wet	50	1000	---	82	80-120%	---	---	
Carbon tetrachloride	1100	---	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Chlorobenzene	954	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Chloroethane	1270	---	500	ug/kg wet	50	1000	---	127	80-120%	---	---	
Chloroform	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chloromethane	920	---	250	ug/kg wet	50	1000	---	92	80-120%	---	---	
2-Chlorotoluene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
4-Chlorotoluene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Dibromochloromethane	932	---	100	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2-Dibromo-3-chloropropane	833	---	250	ug/kg wet	50	1000	---	83	80-120%	---	---	
1,2-Dibromoethane (EDB)	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Dibromomethane	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,2-Dichlorobenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,3-Dichlorobenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,4-Dichlorobenzene	952	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Dichlorodifluoromethane	992	---	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,1-Dichloroethane	990	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	

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ORELAP ID: OR100062

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
LCS (22F0631-BS1)						Prepared: 06/17/22 08:00 Analyzed: 06/17/22 09:47						
1,2-Dichloroethane (EDC)	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1-Dichloroethene	1030	---	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
trans-1,2-Dichloroethene	976	---	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2-Dichloropropane	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,3-Dichloropropane	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
2,2-Dichloropropane	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1-Dichloropropene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
cis-1,3-Dichloropropene	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
trans-1,3-Dichloropropene	995	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Ethylbenzene	990	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Hexachlorobutadiene	976	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
2-Hexanone	1640	---	500	ug/kg wet	50	2000	---	82	80-120%	---	---	
Isopropylbenzene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
4-Isopropyltoluene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Methylene chloride	938	---	500	ug/kg wet	50	1000	---	94	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2100	---	500	ug/kg wet	50	2000	---	105	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	987	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Naphthalene	1060	---	100	ug/kg wet	50	1000	---	106	80-120%	---	---	
n-Propylbenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Styrene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1,1,2-Tetrachloroethane	946	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,1,2,2-Tetrachloroethane	968	---	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Tetrachloroethene (PCE)	949	---	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Toluene	958	---	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2,3-Trichlorobenzene	999	---	250	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2,4-Trichlorobenzene	1010	---	250	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,1-Trichloroethane	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,2-Trichloroethane	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Trichloroethene (TCE)	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Trichlorofluoromethane	1180	---	100	ug/kg wet	50	1000	---	118	80-120%	---	---	
1,2,3-Trichloropropane	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,2,4-Trimethylbenzene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,3,5-Trimethylbenzene	1040	---	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	

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Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
LCS (22F0631-BS1)			Prepared: 06/17/22 08:00		Analyzed: 06/17/22 09:47							
Vinyl chloride	1150	---	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
m,p-Xylene	1980	---	50.0	ug/kg wet	50	2000	---	99	80-120%	---	---	
o-Xylene	988	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 100 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		97 %		79-120 %		"						
Duplicate (22F0631-DUP1)						Prepared: 06/16/22 07:45		Analyzed: 06/17/22 13:03				
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)												
5035A/8260D												
Acetone	ND	---	8410	ug/kg dry	50	---	ND	---	---	---	30%	ICV-02
Acrylonitrile	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	84.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Duplicate (22F0631-DUP1)			Prepared: 06/16/22 07:45    Analyzed: 06/17/22 13:03									
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)												
1,2-Dichlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	4210	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	2100	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director



## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Duplicate (22F0631-DUP1)			Prepared: 06/16/22 07:45   Analyzed: 06/17/22 13:03									
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)												
1,1,2-Trichloroethane	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	841	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	421	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	210	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)      Recovery: 98 %      Limits: 80-120 %      Dilution: 1x												
Toluene-d8 (Surr)			101 %		80-120 %		"					
4-Bromofluorobenzene (Surr)			98 %		79-120 %		"					
Matrix Spike (22F0631-MS1)						Prepared: 06/16/22 12:45   Analyzed: 06/17/22 18:27						
QC Source Sample: DS-01-SOIL (A2F0586-08)												
5035A/8260D												
Acetone	2290	---	1600	ug/kg dry	50	3200	ND	72	36-164%	---	---	ICV-02
Acrylonitrile	1620	---	160	ug/kg dry	50	1600	ND	101	65-134%	---	---	
Benzene	1720	---	16.0	ug/kg dry	50	1600	ND	108	77-121%	---	---	
Bromobenzene	1680	---	40.1	ug/kg dry	50	1600	ND	105	78-121%	---	---	
Bromochloromethane	1700	---	80.2	ug/kg dry	50	1600	ND	106	78-125%	---	---	
Bromodichloromethane	1790	---	80.2	ug/kg dry	50	1600	ND	112	75-127%	---	---	
Bromoform	1380	---	160	ug/kg dry	50	1600	ND	86	67-132%	---	---	
Bromomethane	2040	---	802	ug/kg dry	50	1600	ND	127	53-143%	---	---	
2-Butanone (MEK)	2690	---	802	ug/kg dry	50	3200	ND	84	51-148%	---	---	
n-Butylbenzene	1870	---	80.2	ug/kg dry	50	1600	ND	117	70-128%	---	---	
sec-Butylbenzene	1830	---	80.2	ug/kg dry	50	1600	ND	114	73-126%	---	---	
tert-Butylbenzene	1720	---	80.2	ug/kg dry	50	1600	ND	107	73-125%	---	---	
Carbon disulfide	1380	---	802	ug/kg dry	50	1600	ND	86	63-132%	---	---	
Carbon tetrachloride	1850	---	80.2	ug/kg dry	50	1600	ND	116	70-135%	---	---	
Chlorobenzene	1640	---	40.1	ug/kg dry	50	1600	ND	102	79-120%	---	---	
Chloroethane	2380	---	802	ug/kg dry	50	1600	ND	149	59-139%	---	---	Q-54
Chloroform	1670	---	80.2	ug/kg dry	50	1600	ND	104	78-123%	---	---	

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

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6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Matrix Spike (22F0631-MS1)			Prepared: 06/16/22 12:45    Analyzed: 06/17/22 18:27									
QC Source Sample: DS-01-SOIL (A2F0586-08)												
Chloromethane	1670	---	401	ug/kg dry	50	1600	ND	104	50-136%	---	---	
2-Chlorotoluene	1770	---	80.2	ug/kg dry	50	1600	ND	110	75-122%	---	---	
4-Chlorotoluene	1760	---	80.2	ug/kg dry	50	1600	ND	110	72-124%	---	---	
Dibromochloromethane	1500	---	160	ug/kg dry	50	1600	ND	94	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1310	---	401	ug/kg dry	50	1600	ND	82	61-132%	---	---	
1,2-Dibromoethane (EDB)	1770	---	80.2	ug/kg dry	50	1600	ND	111	78-122%	---	---	
Dibromomethane	1670	---	80.2	ug/kg dry	50	1600	ND	104	78-125%	---	---	
1,2-Dichlorobenzene	1680	---	40.1	ug/kg dry	50	1600	ND	105	78-121%	---	---	
1,3-Dichlorobenzene	1700	---	40.1	ug/kg dry	50	1600	ND	106	77-121%	---	---	
1,4-Dichlorobenzene	1600	---	40.1	ug/kg dry	50	1600	ND	100	75-120%	---	---	
Dichlorodifluoromethane	1800	---	160	ug/kg dry	50	1600	ND	112	29-149%	---	---	
1,1-Dichloroethane	1700	---	40.1	ug/kg dry	50	1600	ND	106	76-125%	---	---	
1,2-Dichloroethane (EDC)	1700	---	40.1	ug/kg dry	50	1600	ND	106	73-128%	---	---	
1,1-Dichloroethene	1810	---	40.1	ug/kg dry	50	1600	ND	113	70-131%	---	---	
cis-1,2-Dichloroethene	1710	---	40.1	ug/kg dry	50	1600	ND	107	77-123%	---	---	
trans-1,2-Dichloroethene	1690	---	40.1	ug/kg dry	50	1600	ND	106	74-125%	---	---	
1,2-Dichloropropane	1700	---	40.1	ug/kg dry	50	1600	ND	106	76-123%	---	---	
1,3-Dichloropropane	1750	---	80.2	ug/kg dry	50	1600	ND	109	77-121%	---	---	
2,2-Dichloropropane	1580	---	80.2	ug/kg dry	50	1600	ND	99	67-133%	---	---	
1,1-Dichloropropene	1800	---	80.2	ug/kg dry	50	1600	ND	112	76-125%	---	---	
cis-1,3-Dichloropropene	1850	---	80.2	ug/kg dry	50	1600	ND	115	74-126%	---	---	
trans-1,3-Dichloropropene	1590	---	80.2	ug/kg dry	50	1600	ND	99	71-130%	---	---	
Ethylbenzene	1740	---	40.1	ug/kg dry	50	1600	ND	109	76-122%	---	---	
Hexachlorobutadiene	1720	---	160	ug/kg dry	50	1600	ND	108	61-135%	---	---	
2-Hexanone	2690	---	802	ug/kg dry	50	3200	ND	84	53-145%	---	---	
Isopropylbenzene	1760	---	80.2	ug/kg dry	50	1600	ND	110	68-134%	---	---	
4-Isopropyltoluene	1830	---	80.2	ug/kg dry	50	1600	ND	114	73-127%	---	---	
Methylene chloride	1550	---	802	ug/kg dry	50	1600	ND	97	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	3500	---	802	ug/kg dry	50	3200	ND	109	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1590	---	80.2	ug/kg dry	50	1600	ND	99	73-125%	---	---	
Naphthalene	1720	---	160	ug/kg dry	50	1600	ND	107	62-129%	---	---	
n-Propylbenzene	1850	---	40.1	ug/kg dry	50	1600	ND	115	73-125%	---	---	
Styrene	1780	---	80.2	ug/kg dry	50	1600	ND	111	76-124%	---	---	

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Philip Nerenberg, Lab Director





## ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062Maul Foster & Alongi, INC.3140 NE Broadway Street  
Portland, OR 97232Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 06 22 22 1623

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0631 - EPA 5035A						Soil						
Matrix Spike (22F0631-MS1)			Prepared: 06/16/22 12:45		Analyzed: 06/17/22 18:27							
QC Source Sample: DS-01-SOIL (A2F0586-08)												
1,1,1,2-Tetrachloroethane	1580	---	40.1	ug/kg dry	50	1600	ND	99	78-125%	---	---	Q-01
1,1,2,2-Tetrachloroethane	1640	---	80.2	ug/kg dry	50	1600	ND	102	70-124%	---	---	
Tetrachloroethene (PCE)	1700	---	40.1	ug/kg dry	50	1600	ND	106	73-128%	---	---	
Toluene	1680	---	80.2	ug/kg dry	50	1600	ND	105	77-121%	---	---	
1,2,3-Trichlorobenzene	1670	---	401	ug/kg dry	50	1600	ND	104	66-130%	---	---	
1,2,4-Trichlorobenzene	1680	---	401	ug/kg dry	50	1600	ND	105	67-129%	---	---	
1,1,1-Trichloroethane	1750	---	40.1	ug/kg dry	50	1600	ND	109	73-130%	---	---	
1,1,2-Trichloroethane	1750	---	40.1	ug/kg dry	50	1600	ND	109	78-121%	---	---	
Trichloroethene (TCE)	1780	---	40.1	ug/kg dry	50	1600	ND	111	77-123%	---	---	
Trichlorofluoromethane	2290	---	160	ug/kg dry	50	1600	ND	143	62-140%	---	---	
1,2,3-Trichloropropane	1760	---	80.2	ug/kg dry	50	1600	ND	110	73-125%	---	---	
1,2,4-Trimethylbenzene	1780	---	80.2	ug/kg dry	50	1600	ND	111	75-123%	---	---	
1,3,5-Trimethylbenzene	1810	---	80.2	ug/kg dry	50	1600	ND	113	73-124%	---	---	
Vinyl chloride	2110	---	40.1	ug/kg dry	50	1600	ND	132	56-135%	---	---	
m,p-Xylene	3490	---	80.2	ug/kg dry	50	3200	ND	109	77-124%	---	---	
o-Xylene	1710	---	40.1	ug/kg dry	50	1600	ND	107	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 99 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		101 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		97 %		79-120 %		"						

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

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ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 22F0645 - EPA 3546													
Soil													
Blank (22F0645-BLK1)			Prepared: 06/17/22 09:33		Analyzed: 06/20/22 08:39		C-07						
EPA 8082A													
Aroclor 1016	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1221	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1232	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1242	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1248	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1254	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1260	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---		
Surr: Decachlorobiphenyl (Surr)		Recovery: 87 %		Limits: 60-125 %		Dilution: 1x							
LCS (22F0645-BS1)													
Prepared: 06/17/22 09:33			Analyzed: 06/20/22 08:57		C-07								
EPA 8082A													
Aroclor 1016	196	---	10.0	ug/kg wet	1	250	---	78	47-134%	---	---		
Aroclor 1260	213	---	10.0	ug/kg wet	1	250	---	85	53-140%	---	---		
Surr: Decachlorobiphenyl (Surr)		Recovery: 86 %		Limits: 60-125 %		Dilution: 1x							
Duplicate (22F0645-DUP1)													
Prepared: 06/17/22 09:33			Analyzed: 06/20/22 09:50		C-07, Q-04								
QC Source Sample: SED-COMP-BASE 1 (A2F0586-01)													
EPA 8082A													
Aroclor 1016	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1221	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1232	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1242	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1248	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%		
Aroclor 1254	434	---	29.3	ug/kg dry	1	---	56.4	---	---	154	30%	Q-17	
Aroclor 1260	ND	---	29.3	ug/kg dry	1	---	ND	---	---	---	30%		
Surr: Decachlorobiphenyl (Surr)		Recovery: 42 %		Limits: 60-125 %		Dilution: 1x							S-03
Matrix Spike (22F0645-MS1)													
Prepared: 06/17/22 09:33			Analyzed: 06/20/22 11:37		C-07								
QC Source Sample: DS-01-SOIL (A2F0586-08)													
EPA 8082A													
Aroclor 1016	249	---	11.9	ug/kg dry	1	299	ND	84	47-134%	---	---		
Aroclor 1260	309	---	11.9	ug/kg dry	1	299	119	64	53-140%	---	---		

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street  
Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street  
Portland, OR 97232

Project: Blue Heron Paper Mill

Project Number: M0496.02

Project Manager: Jacob Faust

Report ID:

A2F0586 - 06 22 22 1623

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0645 - EPA 3546							Soil					
Matrix Spike (22F0645-MS1)			Prepared: 06/17/22 09:33   Analyzed: 06/20/22 11:37									C-07
<u>QC Source Sample: DS-01-SOIL (A2F0586-08)</u>												
Surr: Decachlorobiphenyl (Surr)				Recovery: 91 %		Limits: 60-125 %		Dilution: 1x				

Apex Laboratories

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## ANALYTICAL REPORT

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ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

## Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
<b>Batch 22F0662 - EPA 3051A</b>												<b>Soil</b>
<b>Blank (22F0662-BLK1)</b>												Prepared: 06/17/22 11:29 Analyzed: 06/20/22 12:00
<b>EPA 6020B</b>												
Arsenic	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0769	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
<b>LCS (22F0662-BS1)</b>												Prepared: 06/17/22 11:29 Analyzed: 06/20/22 12:10
<b>EPA 6020B</b>												
Arsenic	46.8	---	1.00	mg/kg wet	10	50.0	---	94	80-120%	---	---	
Barium	47.3	---	1.00	mg/kg wet	10	50.0	---	95	80-120%	---	---	
Cadmium	48.0	---	0.200	mg/kg wet	10	50.0	---	96	80-120%	---	---	
Chromium	46.1	---	1.00	mg/kg wet	10	50.0	---	92	80-120%	---	---	
Lead	49.4	---	0.200	mg/kg wet	10	50.0	---	99	80-120%	---	---	
Mercury	0.979	---	0.0800	mg/kg wet	10	1.00	---	98	80-120%	---	---	
Selenium	23.7	---	1.00	mg/kg wet	10	25.0	---	95	80-120%	---	---	
Silver	25.2	---	0.200	mg/kg wet	10	25.0	---	101	80-120%	---	---	
<b>Duplicate (22F0662-DUP1)</b>												Prepared: 06/17/22 11:29 Analyzed: 06/20/22 12:20
<b>QC Source Sample: Non-SDG (A2E0465-02)</b>												
Arsenic	<b>1.48</b>	---	1.28	mg/kg dry	10	---	1.96	---	---	<b>28</b>	<b>20%</b>	Q-05
Barium	<b>41.6</b>	---	1.28	mg/kg dry	10	---	52.5	---	---	<b>23</b>	<b>20%</b>	Q-04
Cadmium	ND	---	0.256	mg/kg dry	10	---	ND	---	---	---	20%	
Chromium	<b>7.35</b>	---	1.28	mg/kg dry	10	---	11.1	---	---	<b>41</b>	<b>20%</b>	Q-04
Lead	<b>8.16</b>	---	0.256	mg/kg dry	10	---	8.91	---	---	9	20%	
Mercury	ND	---	0.102	mg/kg dry	10	---	ND	---	---	---	20%	
Selenium	ND	---	1.28	mg/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	---	0.256	mg/kg dry	10	---	ND	---	---	---	20%	

**Matrix Spike (22F0662-MS1)**

Prepared: 06/17/22 11:29 Analyzed: 06/20/22 12:24

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Philip Nerenberg, Lab Director



# ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223  
503-718-2323  
ORELAP ID: OR100062

**Maul Foster & Alongi, INC.**

3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 06 22 22 1623**

## QUALITY CONTROL (QC) SAMPLE RESULTS

### Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0662 - EPA 3051A						Soil						
Matrix Spike (22F0662-MS1)			Prepared: 06/17/22 11:29   Analyzed: 06/20/22 12:24									
QC Source Sample: Non-SDG (A2E0465-02)												
EPA 6020B												
Arsenic	59.6	---	1.24	mg/kg dry	10	61.9	1.96	93	75-125%	---	---	
Barium	107	---	1.24	mg/kg dry	10	61.9	52.5	88	75-125%	---	---	
Cadmium	59.5	---	0.247	mg/kg dry	10	61.9	ND	96	75-125%	---	---	
Chromium	67.7	---	1.24	mg/kg dry	10	61.9	11.1	92	75-125%	---	---	
Lead	70.6	---	0.247	mg/kg dry	10	61.9	8.91	100	75-125%	---	---	
Mercury	1.26	---	0.0990	mg/kg dry	10	1.24	ND	102	75-125%	---	---	
Selenium	28.8	---	1.24	mg/kg dry	10	30.9	ND	93	75-125%	---	---	
Silver	32.3	---	0.247	mg/kg dry	10	30.9	ND	104	75-125%	---	---	

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*Philip Nerenberg*

Philip Nerenberg, Lab Director

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street  
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503-718-2323  
ORELAP ID: OR100062**Maul Foster & Alongi, INC.**3140 NE Broadway Street  
Portland, OR 97232Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623****QUALITY CONTROL (QC) SAMPLE RESULTS****Percent Dry Weight**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F0715 - Total Solids (Dry Weight)							Soil					
Duplicate (22F0715-DUP1)			Prepared: 06/20/22 14:21			Analyzed: 06/21/22 09:29			PRO			
QC Source Sample: Non-SDG (A2F0431-02)												
% Solids	96.7	---	1.00	%	1	---	96.7	---	---	0.04	10%	
Duplicate (22F0715-DUP2)			Prepared: 06/20/22 14:21			Analyzed: 06/21/22 09:29			PRO			
QC Source Sample: Non-SDG (A2F0431-04)												
% Solids	97.0	---	1.00	%	1	---	97.0	---	---	0.05	10%	
Duplicate (22F0715-DUP3)			Prepared: 06/20/22 14:21			Analyzed: 06/21/22 09:29			PRO			
QC Source Sample: Non-SDG (A2F0431-06)												
% Solids	97.0	---	1.00	%	1	---	97.1	---	---	0.06	10%	
Duplicate (22F0715-DUP4)			Prepared: 06/20/22 14:21			Analyzed: 06/21/22 09:29						
QC Source Sample: Non-SDG (A2F0566-01)												
% Solids	83.2	---	1.00	%	1	---	82.8	---	---	0.4	10%	
Duplicate (22F0715-DUP5)			Prepared: 06/20/22 19:12			Analyzed: 06/21/22 09:29						
QC Source Sample: Non-SDG (A2F0667-01)												
% Solids	80.7	---	1.00	%	1	---	78.1	---	---	3	10%	
Duplicate (22F0715-DUP6)			Prepared: 06/20/22 19:12			Analyzed: 06/21/22 09:29						
QC Source Sample: Non-SDG (A2F0667-02)												
% Solids	79.4	---	1.00	%	1	---	78.4	---	---	1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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ORELAP ID: OR100062

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3140 NE Broadway Street

Portland, OR 97232

Project: **Blue Heron Paper Mill**Project Number: **M0496.02**Project Manager: **Jacob Faust****Report ID:****A2F0586 - 06 22 22 1623****SAMPLE PREPARATION INFORMATION****Volatile Organic Compounds by EPA 8260D****Prep: EPA 5035A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0631</b>							
A2F0586-01	Soil	5035A/8260D	06/16/22 07:45	06/16/22 07:45	2.35g/5mL	5g/5mL	2.13
A2F0586-02	Soil	5035A/8260D	06/16/22 11:20	06/16/22 11:20	5.48g/5mL	5g/5mL	0.91

**Polychlorinated Biphenyls by EPA 8082A****Prep: EPA 3546**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0645</b>							
A2F0586-01	Soil	EPA 8082A	06/16/22 07:45	06/17/22 09:33	10.1g/5mL	10g/5mL	0.99
A2F0586-02	Soil	EPA 8082A	06/16/22 11:20	06/17/22 09:33	10.21g/5mL	10g/5mL	0.98

**Total Metals by EPA 6020B (ICPMS)****Prep: EPA 3051A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0662</b>							
A2F0586-01	Soil	EPA 6020B	06/16/22 07:45	06/17/22 11:29	0.493g/50mL	0.5g/50mL	1.01
A2F0586-02	Soil	EPA 6020B	06/16/22 11:20	06/17/22 11:29	0.473g/50mL	0.5g/50mL	1.06

**Percent Dry Weight****Prep: Total Solids (Dry Weight)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<b>Batch: 22F0715</b>							
A2F0586-01	Soil	EPA 8000D	06/16/22 07:45	06/20/22 14:21			NA
A2F0586-02	Soil	EPA 8000D	06/16/22 11:20	06/20/22 14:21			NA

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Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 06 22 22 1623**

## QUALIFIER DEFINITIONS

### **Client Sample and Quality Control (QC) Sample Qualifier Definitions:**

#### **Apex Laboratories**

- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- ICV-02** Estimated Result. Initial Calibration Verification (ICV) failed low.
- PRO** Sample has undergone sample processing prior to extraction and analysis.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-17** RPD between original and duplicate sample is outside of established control limits.
- Q-39** Results for sample duplicate are significantly higher than the sample results. See duplicate results in QC section of the report.
- Q-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. The results are reported as Estimated Values.
- Q-56** Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
- S-03** Sample re-extract, or the analysis of an associated Batch QC sample, confirms surrogate failure due to sample matrix effect.

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Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

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### REPORTING NOTES AND CONVENTIONS:

#### Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.  
ND Analyte NOT DETECTED at or above the detection or reporting limit.  
NR Result Not Reported  
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

#### Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).  
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

#### Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

#### Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.  
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.  
  
"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")  
See Percent Solids section for details of dry weight analysis.  
"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.  
" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

#### QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

#### Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.  
  
" \*\*\* " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

#### Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).  
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.  
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.  
For further details, please request a copy of this document.

Apex Laboratories

Philip Nerenberg, Lab Director

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3140 NE Broadway Street  
Portland, OR 97232

Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 06 22 22 1623**

### REPORTING NOTES AND CONVENTIONS (Cont.):

#### **Blanks (Cont.):**

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

#### **Preparation Notes:**

##### **Mixed Matrix Samples:**

##### **Water Samples:**

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

##### **Soil and Sediment Samples:**

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

#### **Sampling and Preservation Notes:**

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

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Project: **Blue Heron Paper Mill**

Project Number: **M0496.02**

Project Manager: **Jacob Faust**

**Report ID:**

**A2F0586 - 06 22 22 1623**

### LABORATORY ACCREDITATION INFORMATION

**ORELAP Certification ID: OR100062 (Primary Accreditation)** -

**EPA ID: OR01039**

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

#### **Apex Laboratories**

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

All reported analytes are included in Apex Laboratories' current ORELAP scope.

#### **Secondary Accreditations**

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

#### **Subcontract Laboratory Accreditations**

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

#### **Field Testing Parameters**

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

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## ANALYTICAL REPORT

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Tigard, OR 97223

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ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street

Portland, OR 97232

Project: Blue Heron Paper MillProject Number: M0496.02Project Manager: Jacob FaustReport ID:A2F0586 - 06 22 22 1623APEX LABS COOLER RECEIPT FORMClient: MFA Element WO#: A2F0586Project/Project #: BLUE HERON MILL M0496.02Delivery Info:Date/time received: 6-16-22 @ 1308 By: DJSDelivered by: Apex ☐ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐Cooler Inspection Date/time inspected: 6-16-22 @ 1309 By: DJSChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>5.8</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) ☒ Possible reason why: \_\_\_\_\_Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐Sample Inspection: Date/time inspected: 6/16/22 @ 15:44 By: ZAMAll samples intact? Yes ☒ No ☐ Comments: \_\_\_\_\_Bottle labels/COCs agree? Yes ☒ No ☐ Comments: \_\_\_\_\_COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: \_\_\_\_\_Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments: \_\_\_\_\_

Water samples: pH checked: Yes ☐ No ☐ NA ☒ pH appropriate? Yes ☐ No ☐ NA ☒

Comments: \_\_\_\_\_

Additional information: \_\_\_\_\_Labeled by: ZAM Witness: DJS Cooler Inspected by: ZAM

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.