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September 25, 2025 Project No. M0022.04.002

Tina Elayer
Oregon Department of Environmental Quality
Western Region
165 East 7th Avenue, Suite 100
Eugene, Oregon 97401

Re: 2024 Annual Report for Stella-Jones Corporation, Eugene, Oregon; Environmental Cleanup Site Information Identification Number 63

Dear Tina Elayer:

Maul Foster & Alongi, Inc. (MFA), has prepared this annual report for the Stella-Jones Corporation (Stella-Jones) wood-treating facility located at 90049 Highway 99 North in Eugene, Oregon (the site). The site, previously referred to as McFarland Cascade Pole and Lumber Company, is currently owned and operated by Stella-Jones. This annual report summarizes groundwater monitoring, extraction and treatment, and site-related correspondence between Stella-Jones, MFA, the Oregon Department of Environmental Quality (DEQ), and the Oregon Department of Transportation (ODOT) for the October 1, 2023 through September 30, 2024 annual reporting period.

Monitoring Program and Treatment System Summary

A summary of the current monitoring program consisting of monitoring wells, piezometers, recovery wells, and surface water sample locations, can be found in Table 1 and shown on Figure 1.

Stella-Jones operates a groundwater treatment system as an interim remedial action measure (IRAM) that extracts and treats impacted groundwater and light nonaqueous-phase liquid (LNAPL) released from historical practices as outlined in the Remedial Action Work Plan (Work Plan)¹.

The IRAM consists of three recovery wells (R-1, R-2, and R-3; Figure 1), a water treatment system, and a vacuum-enhanced recovery (VER) system. Recovery wells R-1 and R-2 are used to extract groundwater and LNAPL. The DEQ authorized suspension of pumping at R-3 on September 25, 2015. The IRAM previously included recovery well R-4. On January 28, 2013, DEQ authorized suspension of pumping at R-4; the well was subsequently abandoned from May 31 to June 2, 2023².

Either the portable VER system or a shallow well hand pump is employed at selected on-site wells (AGI-6, MT-2, MT-3, MT-4, R-5, 96-2, and 96-3) for the removal of LNAPL. The VER system enhances LNAPL recovery by increasing the gradient and accelerating the movement of water and LNAPL through the aquifer. The VER increases water movement by creating areas of vacuum (i.e., negative pressure).

¹ MFA, 2013. Remedial Action Work Plan. McFarland Cascade Holdings, Inc. Wood treating Facility, Eugene, Oregon. Maul Foster & Alongi, Inc.: Portland, OR. August 27.

² MFA. 2024. Recovery Well R-4 and Monitoring Well 92-9B Abandonment Report; McFarland Cascade Pole and Lumber Company Site, Eugene, Oregon; Environmental Cleanup Site; Information Identification Number 63. Maul Foster & Alongi, Inc.: Portland, OR. April 15.

Actions Taken

Communications and Submittals

The following summarizes communications and submittals between Stella-Jones, MFA, DEQ, and ODOT during the reporting period.

Stella-Jones staff submitted monthly IRAM and VER operations reports via email to DEQ for September 2023 through August 2024 on October 9, November 6, and December 6, 2023, and January 5, February 12, March 1, April 8, May 9³, June 4, July 10, August 5, and September 6, 2024.

On October 31, 2023, MFA on behalf of Stella-Jones, submitted a Proposed Activity notification report to DEQ for an emergency response action at the site. The notice was for work being conducted in Area A of the facility in response to an October 26, 2023 Cooling Water Release at the site. The release was assigned DEQ incident number #2023-2646.

On January 25, 2024, Stella-Jones provided notification to ODOT that the Winter 2024 semiannual monitoring event was scheduled to take place on January 29 and 30, 2024, and that Stella-Jones representatives would be accessing ODOT property for the purposes of groundwater and surface water monitoring under permit #05M43173.

On January 31, 2024, MFA on behalf of Stella-Jones, submitted a completion report documenting a soil removal that was completed in response to an October 26, 2023 Cooling Water Release at the site.

On March 14, 2024, MFA on behalf of Stella-Jones, submitted an updated completion report documenting the soil removal associated with the October 26, 2023 Cooling Water Release. This report supersedes the report submitted on January 31, 2024 and was updated to reference the waste disposal manifest in the Excavated Soil Management section of the report and include a copy of the manifest as an attachment.

On April 18, 2024, MFA on behalf of Stella-Jones, submitted a report to DEQ documenting the abandonment of wells R-4 and 92-9B.

On April 25, 2024, Stella-Jones provided notification to ODOT that the Spring 2024 semiannual monitoring event was scheduled to take place on April 29 and 30, 2024, and that Stella-Jones representatives would be accessing ODOT property for the purposes of groundwater monitoring under permit #05M43173.

On April 25 through April 29, 2024, communications between Stella-Jones and ODOT regarding the status of a homeless encampment on ODOT property were exchanged prior to Stella-Jones representatives accessing that area for the upcoming scheduled sampling activities.

On July 15, 2024, MFA on behalf of Stella-Jones, submitted the 2023 Annual Report for the site to DEQ. This report covered the monitoring period from October 1, 2022 to September 30, 2023.

On September 4, 2024, Stella-Jones provided notification to ODOT that the Fall 2024 semiannual monitoring event was scheduled to take place on September 16 and 17, 2024, and that Stella-Jones representatives would be accessing ODOT property for the purposes of groundwater monitoring under permit #05M43173.

³ Initial report was sent on May 9; a follow up email was sent May 10 with corrected information. DEQ responded on May 10 indicating the email was sufficient notification and no updated log was needed.

Groundwater Sampling and Surface Water Sampling

In accordance with the Work Plan, groundwater and surface water sampling was conducted at the locations summarized in Table 1 and shown on Figure 1.

See Table 1 for the list of wells sampled and the analysis schedule agreed upon in the Work Plan.

Fieldwork conducted on April 29 and 30, 2023, included groundwater sampling of 9 wells (see Table 1 and Figure 1).

Fieldwork conducted on September 16 and 17, 2023, included groundwater sampling at 10 wells (see Table 1 and Figure 1).

Fieldwork conducted on January 29, 2024 included groundwater sampling at two wells and surface water sampling at the North and South Ponds (see Table 1 and Figure 1).

Water Level Monitoring

In accordance with the Work Plan, water level monitoring was conducted at the locations summarized in Table 1 and shown on Figure 1. Currently, water levels are monitored monthly at 23 locations: 18 monitoring wells, four recovery wells, and at the North Pond. On a semi-annual basis, water levels are monitored at an additional 11 monitoring wells for a total of 34 locations including: 29 monitoring wells, four recovery wells, and at the North pond⁴. Water level measurements were collected by Stella-Jones staff and were provided to DEQ in the monthly IRAM and VER operations reports over the course of the monitoring period. Water level data are summarized in Table 2. Potentiometric surface maps are provided in Figures 2A through 2L.

Treatment System

In addition to the sampling required by the Work Plan, Stella-Jones staff conduct monthly monitoring of pentachlorophenol (PCP) concentration at the influent and midpoint of the IRAM treatment system, and PCP concentration and potential hydrogen (pH) at the effluent.

Data Collected

Data collected during the sampling and monitoring events described above for the October 1, 2023 to September 30, 2024 reporting period are summarized in the attached tables and figures. Field data forms for the water level, LNAPL level⁵, and groundwater sampling activities are provided in Attachment A. Laboratory reports and data validation memoranda are provided in Attachment B. Based on the data validation, the data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

The Work Plan states that groundwater samples are to be analyzed for phenols by U.S. Environmental Protection Agency (EPA) Method 8040, and semi-volatile organic compounds (SVOCs) by EPA Method 8270SIM. The updated EPA Method 8270E meets the programmatic requirements for both Method 8040 and Method 8270SIM and is the most current method. Samples collected were analyzed by the updated method. In addition, samples collected from R-3 and the North and South Ponds were additionally analyzed for PCP by EPA Method SW8041A to meet screening level requirements for those locations.

⁴ As noted previously, wells 92-9B and R-4 were abandoned and are no longer part of the water-level monitoring program.

⁵ LNAPL level is recorded as DTO (depth to oil) in the field forms.

Water level data are summarized in Table 2. Potentiometric surface maps are provided in Figures 2A through 2L.

A summary of the IRAM pumping rates and LNAPL recovery for R-1 and R-2 along with the Treatment Plant's groundwater discharge over the monitoring period are shown in Tabe 3.

A summary of the VER LNAPL recovery volumes for recovery well R-5 and six monitoring wells (AGI-6, MT-2, MT-3, MT-4, 96-2, and 96-3) over the monitoring period are shown in Tables 4.

Analytical results for chlorophenols for the January, April, and September 2024 monitoring events are summarized in Table 5.

Analytical results for SVOCs for the April and September 2024 monitoring events are summarized in Table 6.

PCP concentrations at the influent and midpoint of the IRAM treatment system, and PCP concentrations and potential hydrogen (pH) at the effluent, are shown on Table 7.

As requested by DEQ, Table 8 now includes PCP data for the North and South Ponds from 2008 to the most recent monitoring event in January 2024.

Figures 3A and 3B show the extent of the PCP plume in groundwater, based on data from the April and September 2024 monitoring events, respectively. A graph of the PCP concentrations in the recovery wells over time is included as Figure 4.

Actions Anticipated

It is anticipated that the 2025 annual report for the October 1, 2024 through September 30, 2025 reporting period will include the following:

- Semiannual and monthly water level monitoring at the monitoring well, piezometer, recovery well, and pond locations shown on Table 1.
- Groundwater and surface water sampling at the monitoring well, piezometer, recovery well, and pond locations shown on Table 1.
- IRAM operations at R-1 and R-2.
- VER extraction at wells with recoverable quantities of LNAPL.

Discussions and Problems Encountered

No problems have been encountered since the previous annual report.

Sincerely,

Maul Foster & Alongi, Inc.

Cody Schweitzer, RG Project Geologist David Weatherby, RG Principal Geologist

Attachments

Limitations

Figures

Figure 1—Monitoring Locations

Figure 2A—Potentiometric Surface Map—October 2023

Figure 2B—Potentiometric Surface Map—November 2023

Figure 2C—Potentiometric Surface Map—December 2023

Figure 2D—Potentiometric Surface Map—January 2024

Figure 2E—Potentiometric Surface Map—February 2024

Figure 2F—Potentiometric Surface Map—March 2024

Figure 2G—Potentiometric Surface Map—April 2024

Figure 2H—Potentiometric Surface Map—May 2024

Figure 2I—Potentiometric Surface Map—June 2024

Figure 2J—Potentiometric Surface Map—July 2024

Figure 2K—Potentiometric Surface Map—August 2024

Figure 2L—Potentiometric Surface Map—September 2024

Figure 3A—PCP Concentrations in Groundwater—April 2024

Figure 3B—PCP Concentrations in Groundwater—September 2024

Figure 4—Pentachlorophenol Concentrations in Recovery Wells Over Time

Tables

Table 1—Monitoring Program

Table 2—Water Level Monitoring

Table 3—IRAM System Summary

Table 4—VER LNAPL Recovery Summary

Table 5—Chlorophenol Analytical Results

Table 6—Semi-volatile Organic Compound Analytical Results

Table 7—IRAM Treatment System Monthly Monitoring Results

Table 8—Pentachlorophenol Analytical Results in North Pond and South Pond

Attachment A—Fluid Level Measurements and Groundwater Sampling Forms

Attachment B—Laboratory Reports and Data Validation Memoranda

cc: Tracey Jochim, Stella-Jones Brian Widmer, Stella-Jones

Limitations

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

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

Figures





Figure 1 **Monitoring Locations**

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend

Monitoring Location

- Monitoring Well
- Piezometer
- Recovery Well
- Surface Water Sample Location

Abandoned Location

- Abandoned Monitoring Well
- Abandoned Recovery Well
- Tax Lot

Well locations are based on data provided by AECOM. Well locations are for visualization purposes only and should not be used for distance, area, or volume calculations.





Data Sources
Aerial photograph obtained from the State of Oregon (2022); tax lot data obtained from Lane County (2024).



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Figure 2A Potentiometric Surface Map October 2023

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer

Railroad



Recovery Well



Water Level Elevation Contour (feet)

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G

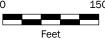
Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM. Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on October 26, 2023.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Data Sources

Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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Figure 2B Potentiometric Surface Map November 2023

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer

Railroad



Recovery Well



Water Level Elevation Contour (feet)

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G and 2L).

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural

neighbor interpolation method.

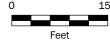
Well locations are based on data provided by AECOM.

Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on November 22, 2023.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Data Sources

Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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Figure 2C Potentiometric Surface Map December 2023

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer



Recovery Well



Water Level Elevation Contour (feet)



Railroad

Notes

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G

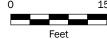
Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM. Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on December 14, 2023.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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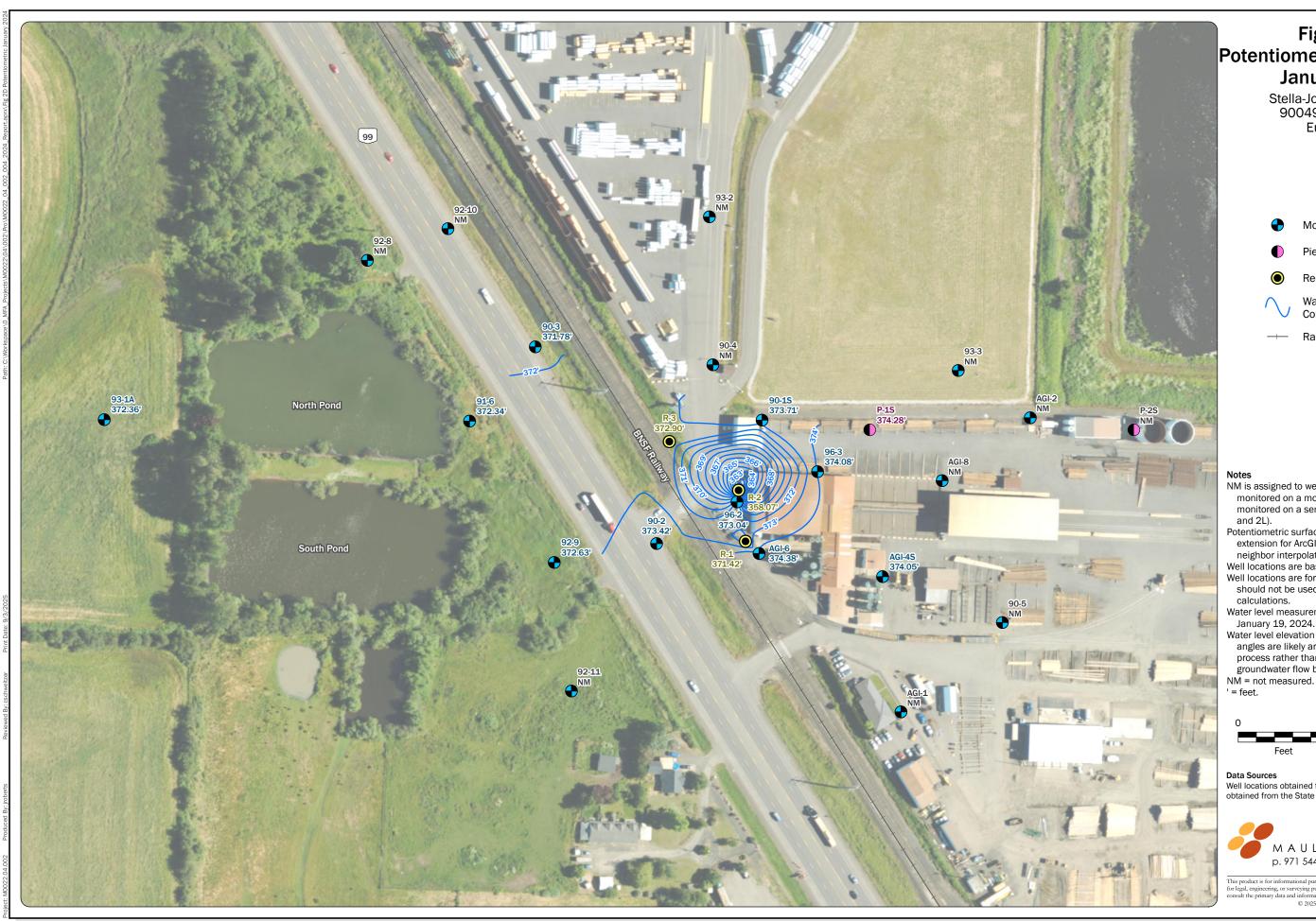


Figure 2D Potentiometric Surface Map January 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer



Recovery Well



Water Level Elevation Contour (feet)



Railroad

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G and 2L).

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.
Well locations are based on data provided by AECOM.

Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on January 19, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.





Data Sources

Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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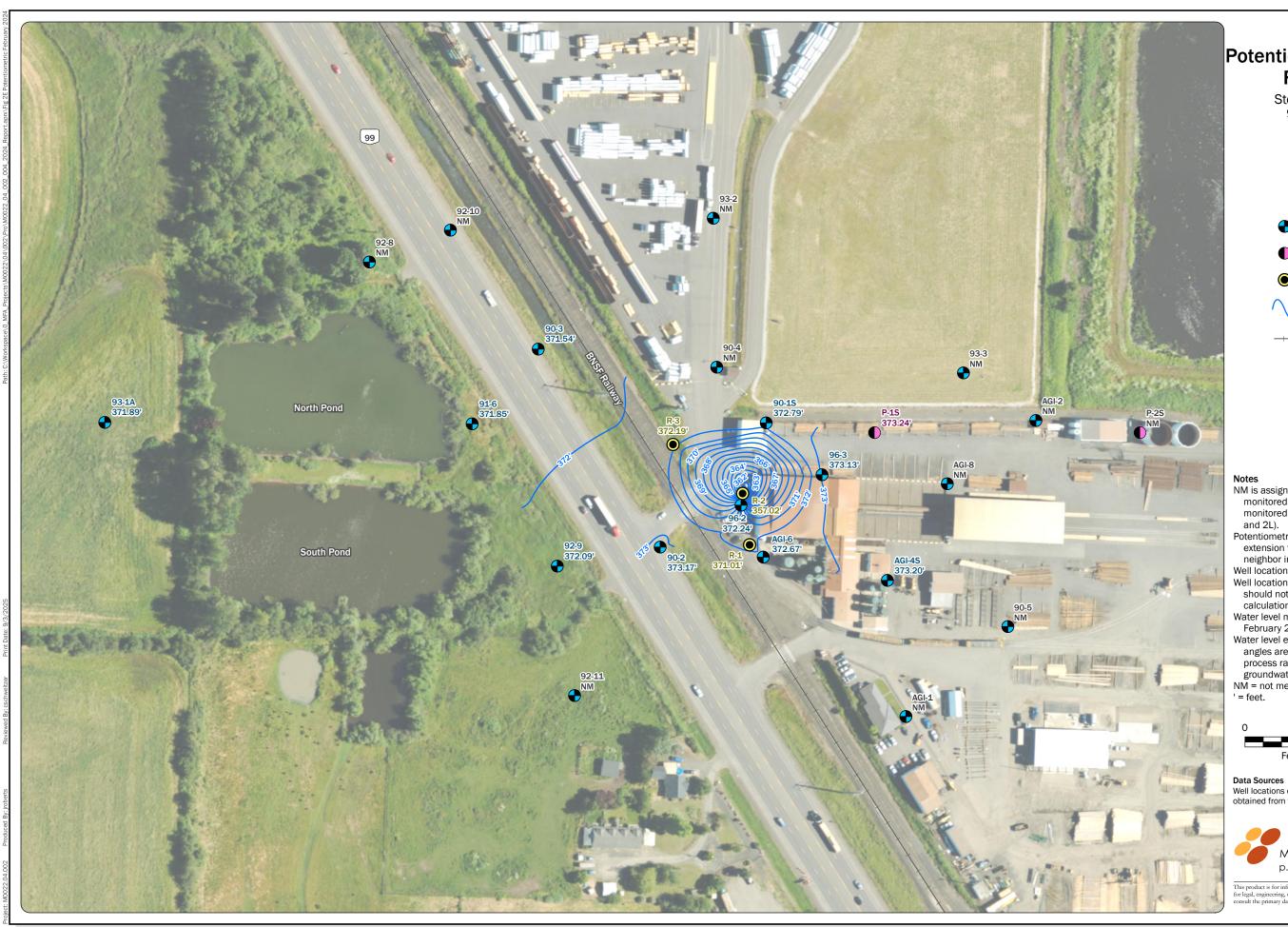


Figure 2E Potentiometric Surface Map February 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend

Monitoring Well



Piezometer



Recovery Well



Water Level Elevation Contour (feet)

Railroad

Notes

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G

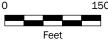
Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM.

Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on February 22, 2024.
Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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Figure 2F Potentiometric Surface Map **March 2024**

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer



Recovery Well



Water Level Elevation Contour (feet)

Railroad

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G

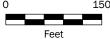
Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM. Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on March 27, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Data Sources

Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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Figure 2G Potentiometric Surface Map **April 2024**

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend

Monitoring Well



Piezometer Recovery Well



Water Level Elevation



Contour (feet)

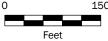
Railroad

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural

neighbor interpolation method.
Well locations are based on data provided by AECOM. Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on April 29, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.





Data SourcesWell locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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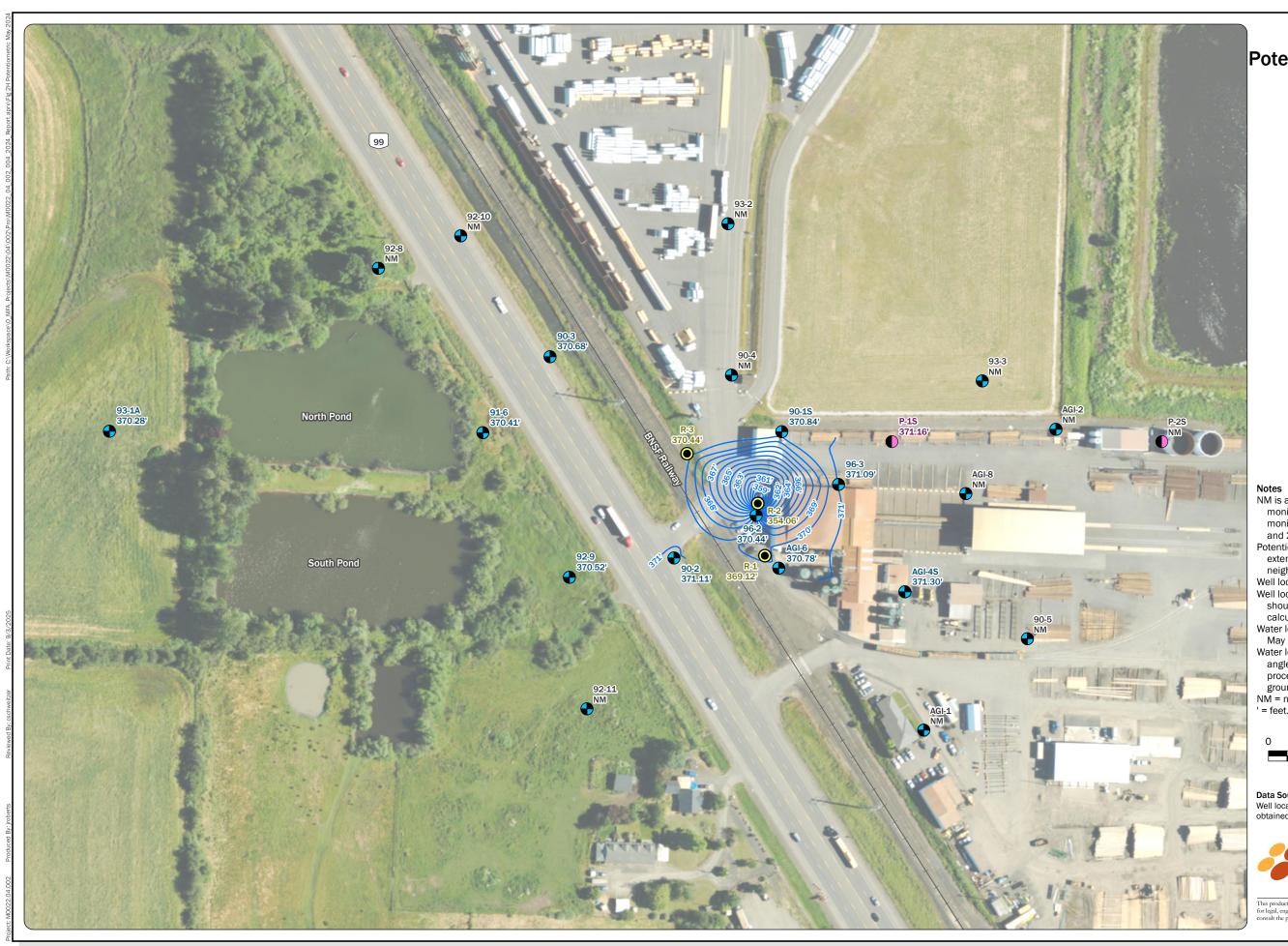


Figure 2H Potentiometric Surface Map May 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer



Recovery Well



Water Level Elevation Contour (feet)

Railroad

Notes

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

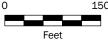
Well locations are based on data provided by AECOM.

Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on May 23, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Data Sources

Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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Figure 2I Potentiometric Surface Map

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM.
Well locations are for visualization purposes only and should not be used for distance, area or volume

angles are likely artifacts of the interpolation process rather than precise representations of



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Figure 2J Potentiometric Surface Map July 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend

Monitoring Well



Piezometer Recovery Well



Water Level Elevation Contour (feet)

Railroad

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G and 2L).

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM.
Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on July 30, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Data SourcesWell locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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Figure 2K Potentiometric Surface Map August 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend



Monitoring Well



Piezometer



Recovery Well



Water Level Elevation Contour (feet)



Railroad

NM is assigned to well locations that are not monitored on a monthly basis. All wells shown are monitored on a semiannual basis (see Figure 2G and 2L).

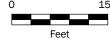
Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural neighbor interpolation method.

Well locations are based on data provided by AECOM.
Well locations are for visualization purposes only and should not be used for distance, area or volume calculations.

Water level measurements were taken on August 21, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.

NM = not measured.





Data Sources

Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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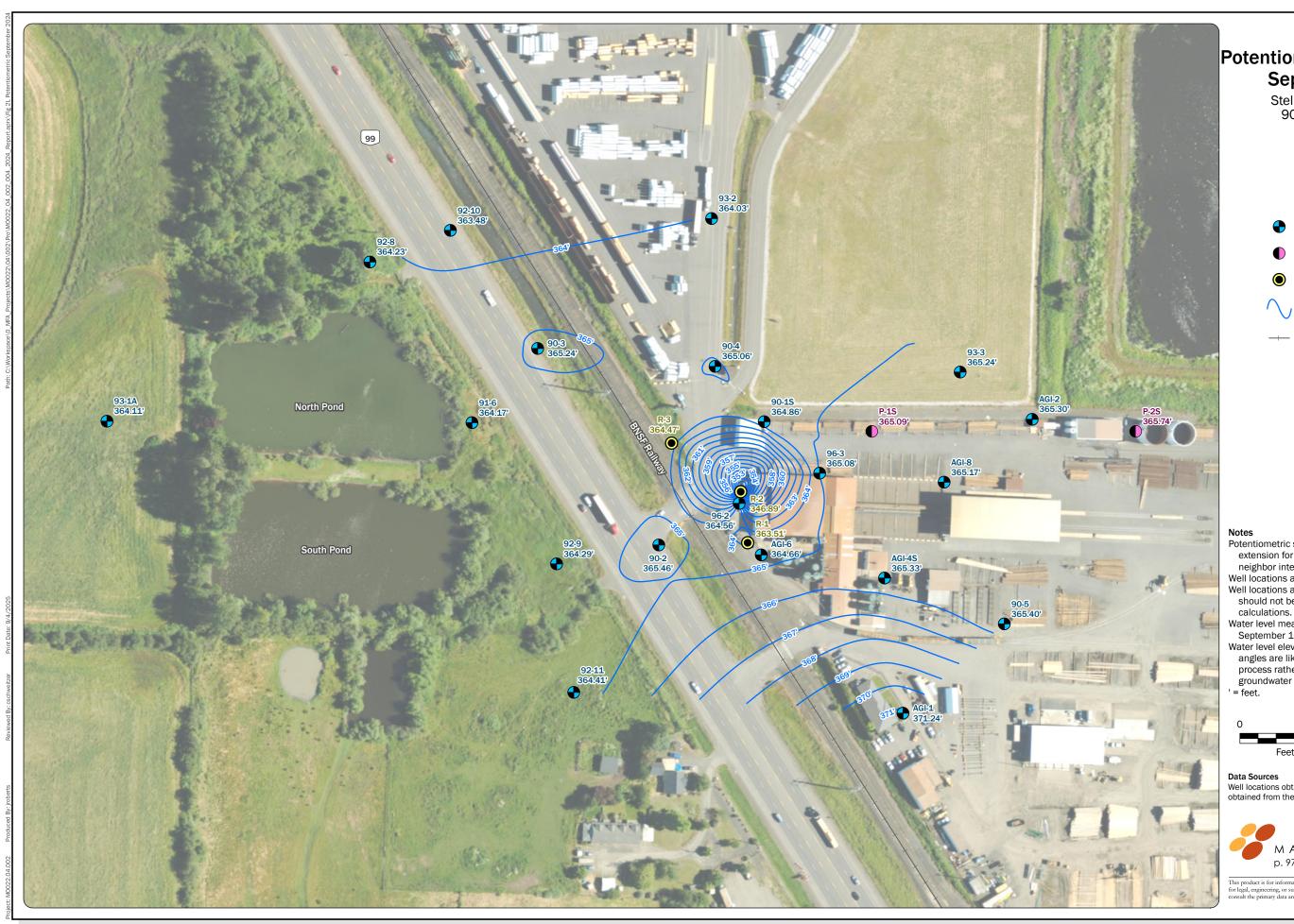


Figure 2L Potentiometric Surface Map September 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend

Monitoring Well

Piezometer Recovery Well



Water Level Elevation Contour (feet)

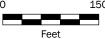
Railroad

Potentiometric surface generated with Spatial Analyst extension for ArcGIS Pro 3.3.2 using natural

neighbor interpolation method.
Well locations are based on data provided by AECOM. Well locations are for visualization purposes only and should not be used for distance, area or volume

Water level measurements were taken on September 16, 2024.

Water level elevation contours that make sharp angles are likely artifacts of the interpolation process rather than precise representations of groundwater flow behavior.





Data SourcesWell locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).



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PCP Concentrations in Groundwater **April 2024**

PCP concentrations have historically been non-detect in wells 90-3, 93-2, and 93-9; a value of half the method reporting limit was used for the interpolation. These wells were last sampled in spring 2013 prior to removal from the monitoring plan, approved by DEQ in September 2013.

The September 2023 result for 93-3 of 0.0971U was used for the interpolation because this well was

The locations of these wells are for visualization purposes only and should not be used for distance.

data were available, the higher detected value





for legal, engineering, or surveying purposes. Users of this information should review or tion sources to ascertain the usability of the informatio



Figure 3B **PCP Concentrations** in Groundwater September 2024

Stella-Jones Corporation 90049 Highway 99N Eugene, OR

Legend

Monitoring Well

Piezometer

Recovery Well

LNAPL Present

PCP Concentration in Groundwater (µg/L)

< 1

1-10

--- Railroad

PCP concentrations have historically been non-detect in wells 90-3, 93-2, and 93-9; a value of half the method reporting limit was used for the interpolation. These wells were last sampled in spring 2013 prior to removal from the monitoring plan, approved by DEQ in September 2013.

R-4 was abandoned from May 31 to June 2, 2023 and so was not sampled in the fall 2024 event.

Well locations are based on data provided by AECOM.

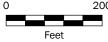
The locations of these wells are for visualization purposes only and should not be used for distance, area or volume calculations.

Where both field sample and field sample duplicate data were available, the higher detected value

J = result is an estimated value. LNAPL = Light Non-Aqueous Phase Liquid.

NS = no sample collected.

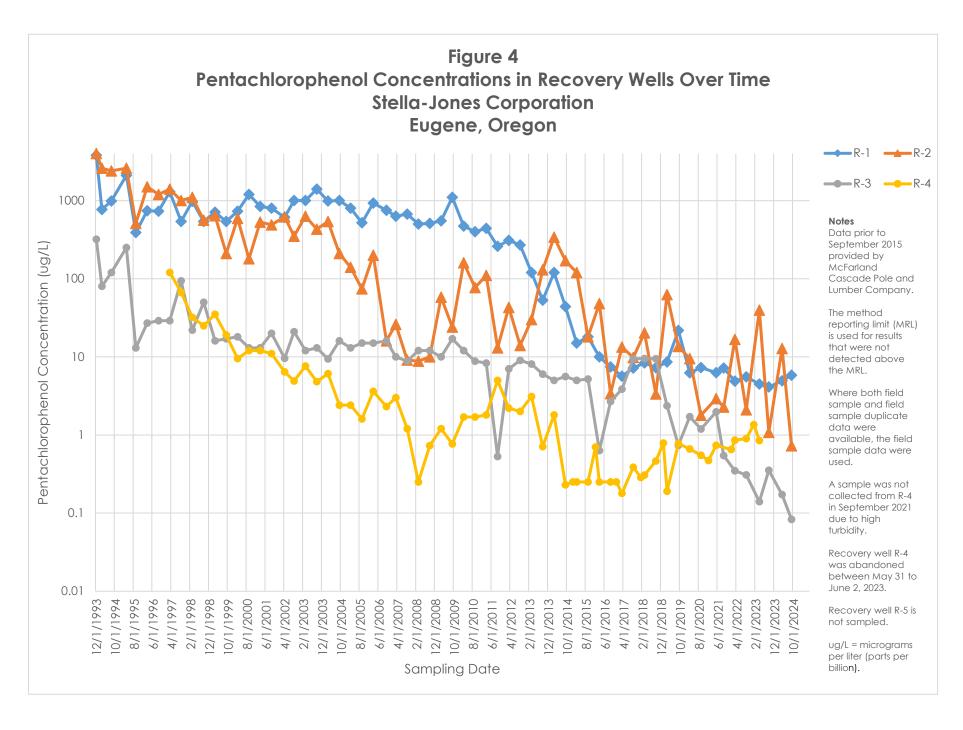
U = not detected at or above the method





Well locations obtained from AECOM; aerial photograph obtained from the State of Oregon (2022).





Tables



Table 1 Monitoring Program Stella-Jones Corporation Eugene, Oregon



		Water Level Monito	ring		(Groundwater San	npling		Surface Water Sampling
Location		Semiannual	Used for	March/Ap	oril	August/Septe	ember	December/January	December/January
Localion	Monthly	(March/April and August/September)	Potentiometric Surface Maps	Chlorophenols	SVOCs	Chlorophenols	SVOCs	Chlorophenols	Chlorophenols
Monitoring W	'ells								
AGI-1		Χ	Χ						
AGI-2		Χ	Χ						
AGI-4N	Χ	Χ							
AGI-4S	Χ	Χ	Χ						
AGI-6	Х	X	X						
AGI-8		X	X						
90-18	Х	X	X						
90-1D	Χ	X		X		X			
90-2	Χ	X	Х						
90-3	Χ	X	X						
90-4		X	X						
90-5		X	X	X					
91-6	Χ	X	Х						
92-8		X	Х						
92-9	Х	X	Х	X		X		X	
92-9B ¹									
92-10		X	X						
92-11		Χ	X						
93-1A	Χ	Χ	Х			X		X	
93-1B	Х	X							
93-2		X	X						
93-3		X	X			X			
93-4				X		X			
93-8				X		X			
96-2	Х	X	X						
96-3	Х	X	X						
P-1S	Χ	Χ	X						

Table 1 Monitoring Program Stella-Jones Corporation Eugene, Oregon



		Water Level Monito	ring		(Groundwater San	npling		Surface Water Sampling
Location		Semiannual	Used for	March/Ap	oril	August/Septe	ember	December/January	December/January
Localion	Monthly	(March/April and August/September)	Potentiometric Surface Maps	Chlorophenols	SVOCs	Chlorophenols	SVOCs	Chlorophenols	Chlorophenols
P-2S		Х	Х						
P-2D				Х		Х			
MT-1	Х	Х							
MT-2	Х	Х							
MT-3	Χ	Χ							
MT-4	Х	Χ							
Recovery We	ells								
R-1	Х	Χ	Χ	Χ	Χ	Χ	Χ		
R-2	Х	Χ	Χ	Χ	Χ	Χ	Χ		
R-3	Х	Χ	Χ	χ^2	Х	χ^2	Χ		
R-4 ¹									
R-5	Х	Χ							
Ponds									
North	Х	Χ							χ^2
South									χ^2
IRAM Treatm	ent System:	monthly sampling for	pentachloropher	nol at the treatme	ent system	n influent, midpoi	nt. and et	ffluent.	

Notes

¹Wells 92-9B and R-4 were abandoned between May 31 to June 6, 2023 and are no longer part of the monitoring program.

²Samples are also analyzed for low level pentachlorophenol by U.S. Environmental Protection Agency Method 8041A to meet project reporting limit needs.

Chlorophenols and SVOCs analyzed by U.S. Environmental Protection Agency Method 8270E.

The current monitoring program was agreed to as part of the Remedial Action Work Plan, prepared by Maul Foster & Alongi, Inc., for McFarland Cascade Holdings, Inc., on August 27, 2013.

DEQ = Oregon Department of Environmental Quality.

IRAM = interim remedial action measure.

SVOC = semivolatile organic compound.

X = planned water level measurement, data use, or groundwater/surface water sample.





				10/26/2023					11/22/2023					12/14/2023		
Location	TOC	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV
AGI-1	377.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
AGI-2	379.52	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
AGI-4N	379.61	14.25		0.00	14.25	365.36	13.28		0.00	13.28	366.33	8.84		0.00	8.84	370.77
AGI-4S	379.57	13.85		0.00	13.85	365.72	12.93		0.00	12.93	366.64	8.66		0.00	8.66	370.91
AGI-6	378.77	13.80		0.00	13.80	364.97	11.95	11.90	0.05	11.90	366.87	8.54		0.00	8.54	370.23
AGI-8	378.47	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-18	376.24	10.92		0.00	10.92	365.32	10.03		0.00	10.03	366.21	5.65		0.00	5.65	370.59
90-1D	377.07	12.64		0.00	12.64	364.43	11.85		0.00	11.85	365.22	7.49		0.00	7.49	369.58
90-2	373.42	8.13		0.00	8.13	365.29	7.70		0.00	7.70	365.72	1.99		0.00	1.99	371.43
90-3	372.91	6.544		0.00	6.54	366.37	6.69		0.00	6.69	366.22	2.12		0.00	2.12	370.79
90-4	375.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-5	379.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-6	374.23	10.20		0.00	10.20	364.03	9.59		0.00	9.59	364.64	5.86		0.00	5.86	368.37
92-8	375.96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
92-9	375.10	10.96		0.00	10.96	364.14	10.31		0.00	10.31	364.79	6.36		0.00	6.36	368.74
92-10	375.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
92-11	377.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
93-1A	375.61	11.77		0.00	11.77	363.84	11.16		0.00	11.16	364.45	7.12		0.00	7.12	368.49
93-1B	375.60	12.26		0.00	12.26	363.34	11.63		0.00	11.63	363.97	7.08		0.00	7.08	368.52
93-2	377.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
93-3	379.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
96-2	376.38	12.40	11.42	0.98	11.50	364.88	10.95	10.55	0.40	10.58	365.80	6.82	6.37	0.45	6.41	369.97
96-3	377.83	12.45	12.35	0.10	12.36	365.47	11.53	11.40	0.13	11.41	366.42	7.03	6.93	0.10	6.94	370.89
P-1S	377.22	11.69		0.00	11.69	365.53	10.73		0.00	10.73	366.49	6.19		0.00	6.19	371.03
P-2S	377.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
R-1	374.94	13.22	11.31	1.91	11.46	363.48	12.70	10.72	1.98	10.88	364.06	7.10	6.40	0.70	6.46	368.48
R-2	374.89	21.31		0.00	21.31	353.58	15.25		0.00	15.25	359.64	20.80		0.00	20.80	354.09
R-3	375.56	10.75		0.00	10.75	364.81	10.01		0.00	10.01	365.55	5.22		0.00	5.22	370.34
R-5	377.22	13.65	13.22	0.43	13.25	363.97	13.74	12.19	1.55	12.31	364.91	13.25	7.45	5.80	7.91	369.31
MT-1	377.39	12.21		0.00	12.21	365.18	11.21		0.00	11.21	366.18	6.95		0.00	6.95	370.44
MT-2	377.32	12.36	12.32	0.04	12.32	365.00	11.82		0.00	11.82	365.50	7.01	6.95	0.06	6.95	370.37
MT-3	374.94	13.69	13.22	0.47	13.26	361.68	12.77		0.00	12.77	362.17	7.33	7.31	0.02	7.31	367.63
MT-4	374.89	10.36	10.35	0.01	10.35	364.54	9.46	9.44	0.02	9.44	365.45	8.98	4.53	4.45	4.89	370.00
North Pond	375.15	0.00		0.00	0.00	375.15	0.00		0.00	0.00	375.15	3.40		0.00	3.40	371.75



				01/19/2024					02/22/2024					03/27/2024		
Location	TOC	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV
AGI-1	377.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
AGI-2	379.52	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
AGI-4N	379.61	5.66		0.00	5.66	373.95	6.54		0.00	6.54	373.07	7.30	-	0.00	7.30	372.31
AGI-4S	379.57	5.52		0.00	5.52	374.05	6.37		0.00	6.37	373.20	7.07	-	0.00	7.07	372.50
AGI-6	378.77	4.39		0.00	4.39	374.38	6.11	6.10	0.01	6.10	372.67	6.80	6.79	0.01	6.79	371.98
AGI-8	378.47	NM	NM	NM	NM	ММ	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-15	376.24	2.53		0.00	2.53	373.71	3.45		0.00	3.45	372.79	4.18	-	0.00	4.18	372.06
90-1D	377.07	4.40		0.00	4.40	372.67	5.12		0.00	5.12	371.95	5.82		0.00	5.82	371.25
90-2	373.42	0.00		0.00	0.00	373.42	0.25		0.00	0.25	373.17	0.62		0.00	0.62	372.80
90-3	372.91	1.13		0.00	1.13	371.78	1.37		0.00	1.37	371.54	1.45		0.00	1.45	371.46
90-4	375.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-5	379.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-6	374.23	1.89		0.00	1.89	372.34	2.38		0.00	2.38	371.85	3.84		0.00	3.84	370.39
92-8	375.96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
92-9	375.10	2.47		0.00	2.47	372.63	3.01		0.00	3.01	372.09	3.53	-	0.00	3.53	371.57
92-10	375.97	NM	NM	NM	NM	ММ	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
92-11	377.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
93-1A	375.61	3.25		0.00	3.25	372.36	3.72		0.00	3.72	371.89	4.72		0.00	4.72	370.89
93-1B	375.60	3.97		0.00	3.97	371.63	4.56		0.00	4.56	371.04	5.27		0.00	5.27	370.33
93-2	377.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
93-3	379.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
96-2	376.38	3.73	3.31	0.42	3.34	373.04	4.61	4.10	0.51	4.14	372.24	5.05	4.84	0.21	4.86	371.52
96-3	377.83	3.85	3.74	0.11	3.75	374.08	4.80	4.69	0.11	4.70	373.13	5.60	5.50	0.10	5.51	372.32
P-1S	377.22	2.94		0.00	2.94	374.28	3.98		0.00	3.98	373.24	4.80		0.00	4.80	372.42
P-2S	377.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
R-1	374.94	4.89	3.40	1.49	3.52	371.42	5.65	3.78	1.87	3.93	371.01	6.35	4.15	2.20	4.33	370.61
R-2	374.89	17.63	16.75	0.88	16.82	358.07	22.49	17.47	5.02	17.87	357.02	23.30	18.40	4.90	18.79	356.10
R-3	375.56	2.66		0.00	2.66	372.90	3.37		0.00	3.37	372.19	3.94		0.00	3.94	371.62
R-5	377.22	12.22	4.08	8.14	4.73	372.49	12.59	4.96	7.63	5.57	371.65	13.33	5.65	7.68	6.26	370.96
MT-1	377.39	3.79		0.00	3.79	373.60	4.68		0.00	4.68	372.71	5.42		0.00	5.42	371.97
MT-2	377.32	4.72	3.86	0.86	3.93	373.39	5.49	4.38	1.11	4.47	372.85	6.69	5.19	1.50	5.31	372.01
MT-3	374.94	4.82	4.05	0.77	4.11	370.83	5.75	5.02	0.73	5.08	369.86	7.58	5.72	1.86	5.87	369.07
MT-4	374.89	5.22	1.40	3.82	1.71	373.18	2.69	2.60	0.09	2.61	372.28	3.42	3.40	0.02	3.40	371.49
North Pond	375.15	7.60		0.00	7.60	367.55	7.10		0.00	7.10	368.05	6.90		0.00	6.90	368.25



				04/29/2024					05/23/2024					06/27/2024		
Location	TOC	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV
AGI-1	377.39	3.60		0.00	3.60	373.79	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
AGI-2	379.52	8.14		0.00	8.14	371.38	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
AGI-4N	379.61	8.43		0.00	8.43	371.18	8.55		0.00	8.55	371.06	11.26		0.00	11.26	368.35
AGI-4S	379.57	8.12		0.00	8.12	371.45	8.27		0.00	8.27	371.30	10.88		10.88	0.87	378.70
AGI-6	378.77	7.86	7.85	0.01	7.85	370.92	8.00	7.99	0.01	7.99	370.78	10.76	10.73	0.03	10.73	368.04
AGI-8	378.47	5.56		0.00	5.56	372.91	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-18	376.24	5.73		0.00	5.73	370.51	5.40		0.00	5.40	370.84	8.06		0.00	8.06	368.18
90-1D	377.07	6.91		0.00	6.91	370.16	7.23		0.00	7.23	369.84	9.74		0.00	9.74	367.33
90-2	373.42	1.95		0.00	1.95	371.47	2.31		0.00	2.31	371.11	5.39		0.00	5.39	368.03
90-3	372.91	1.95		0.00	1.95	370.96	2.23		0.00	2.23	370.68	4.53		0.00	4.53	368.38
90-4	375.56	4.30		0.00	4.30	371.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
90-5	379.08	5.78		0.00	5.78	373.30	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
91-6	374.23	3.63		0.00	3.63	370.60	3.82		0.00	3.82	370.41	6.28		0.00	6.28	367.95
92-8	375.96	5.30		0.00	5.30	370.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
92-9	375.10	4.38		0.00	4.38	370.72	4.58		0.00	4.58	370.52	7.09		0.00	7.09	368.01
92-10	375.97	6.00		0.00	6.00	369.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
92-11	377.95	7.09		0.00	7.09	370.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
93-1A	375.61	5.10		0.00	5.10	370.51	5.33		0.00	5.33	370.28	7.87		0.00	7.87	367.74
93-1B	375.60	6.42		0.00	6.42	369.18	6.85		0.00	6.85	368.75	9.26		0.00	9.26	366.34
93-2	377.66	7.57		0.00	7.57	370.09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
93-3	379.43	8.13		0.00	8.13	371.30	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
96-2	376.38	6.20	5.76	0.44	5.80	370.58	6.36	5.90	0.46	5.94	370.44	8.99	8.57	0.42	8.60	367.78
96-3	377.83	6.67	6.60	0.07	6.61	371.22	6.81	6.73	0.08	6.74	371.09	9.54	9.48	0.06	9.48	368.35
P-1S	377.22	5.94		0.00	5.94	371.28	6.06		0.00	6.06	371.16	8.83		0.00	8.83	368.39
P-2S	377.39	5.70		0.00	5.70	371.69	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
R-1	374.94	7.45	5.40	2.05	5.56	369.38	7.80	5.65	2.15	5.82	369.12	8.00	7.95	0.05	7.95	366.99
R-2	374.89	20.80	19.71	1.09	19.80	355.09	21.76	20.75	1.01	20.83	354.06	15.48	15.43	0.05	15.43	359.46
R-3	375.56	4.93		0.00	4.93	370.63	5.12		0.00	5.12	370.44	7.56		0.00	7.56	368.00
R-5	377.22	13.52	6.81	6.71	7.35	369.87	13.71	6.96	6.75	7.50	369.72	13.92	9.95	3.97	10.27	366.95
MT-1	377.39	6.44		0.00	6.44	370.95	6.55		0.00	6.55	370.84	9.29		0.00	9.29	368.10
MT-2	377.32	8.08	6.43	1.65	6.56	370.76	8.25	6.51	1.74	6.65	370.67	10.00		0.00	10.00	367.32
MT-3	374.94	9.95	6.70	3.25	6.96	367.98	9.45	6.91	2.54	7.11	367.83	10.59	9.59	1.00	9.67	365.27
MT-4	374.89	7.35	4.23	3.12	4.48	370.41	8.55	4.25	4.30	4.59	370.30	10.39	7.05	3.34	7.32	367.57
North Pond	375.15	5.89		0.00	5.89	369.26	5.70		0.00	5.70	369.45	4.20		0.00	4.20	370.95



				07/30/2024					08/21/2024					09/16/2024		
Location	TOC	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV	DTW	DT- LNAPL	LNAPL Thickness	CDTW	CELEV
AGI-1	377.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.15		0.00	6.15	371.24
AGI-2	379.52	NM	NM	NM	МИ	NM	NM	NM	NM	NM	NM	14.22		0.00	14.22	365.30
AGI-4N	379.61	13.55		0.00	13.55	366.06	14.19		0.00	14.19	365.42	14.55		0.00	14.55	365.06
AGI-4S	379.57	13.22	-	0.00	13.22	366.35	13.88		0.00	13.88	365.69	14.24		0.00	14.24	365.33
AGI-6	378.77	13.08	13.07	0.01	13.07	365.70	13.71		0.00	13.71	365.06	14.11		0.00	14.11	364.66
AGI-8	378.47	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.30		0.00	13.30	365.17
90-18	376.24	10.45	-	0.00	10.45	365.79	11.02		0.00	11.02	365.22	11.38		0.00	11.38	364.86
90-1D	377.07	12.03	-	0.00	12.03	365.04	12.60		0.00	12.60	364.47	12.96		0.00	12.96	364.11
90-2	373.42	7.70		0.00	7.70	365.72	7.48		0.00	7.48	365.94	7.96		0.00	7.96	365.46
90-3	372.91	6.93		0.00	6.93	365.98	7.40		0.00	7.40	365.51	7.67		0.00	7.67	365.24
90-4	375.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.50		0.00	10.50	365.06
90-5	379.08	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.68		0.00	13.68	365.40
91-6	374.23	8.68		0.00	8.68	365.55	9.55		0.00	9.55	364.68	10.06		0.00	10.06	364.17
92-8	375.96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.73		0.00	11.73	364.23
92-9	375.10	9.47		0.00	9.47	365.63	10.31		0.00	10.31	364.79	10.81		0.00	10.81	364.29
92-10	375.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.49		0.00	12.49	363.48
92-11	377.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.54		0.00	13.54	364.41
93-1A	375.61	10.12		0.00	10.12	365.49	10.98		0.00	10.98	364.63	11.50		0.00	11.50	364.11
93-1B	375.60	11.36		0.00	11.36	364.24	11.93		0.00	11.93	363.67	12.38		0.00	12.38	363.22
93-2	377.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.63		0.00	13.63	364.03
93-3	379.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	14.19		0.00	14.19	365.24
96-2	376.38	11.15	10.80	0.35	10.83	365.55	12.02	11.41	0.61	11.46	364.92	12.73	11.74	0.99	11.82	364.56
96-3	377.83	11.98	11.80	0.18	11.81	366.02	12.55	12.42	0.13	12.43	365.40	12.88	12.74	0.14	12.75	365.08
P-1S	377.22	11.21		0.00	11.21	366.01	11.79		0.00	11.79	365.43	12.13		0.00	12.13	365.09
P-2S	377.39	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.65		0.00	11.65	365.74
R-1	374.94	10.49	10.25	0.24	10.27	364.67	11.22	10.90	0.32	10.93	364.01	11.80	11.40	0.40	11.43	363.51
R-2	374.89	21.00		0.00	21.00	353.89	22.00		0.00	22.00	352.89	28.00		0.00	28.00	346.89
R-3	375.56	10.11		0.00	10.11	365.45	10.75		0.00	10.75	364.81	11.09		0.00	11.09	364.47
R-5	377.22	14.15	12.46	1.69	12.60	364.62	14.22	13.14	1.08	13.23	363.99	14.35	13.52	0.83	13.59	363.63
MT-1	377.39	11.54		0.00	11.54	365.85	12.15		0.00	12.15	365.24	12.50		0.00	12.50	364.89
MT-2	377.32	11.97	11.64	0.33	11.67	365.65	12.79	12.28	0.51	12.32	365.00	13.11	12.60	0.51	12.64	364.68
MT-3	374.94	13.03	11.94	1.09	12.03	362.91	14.16	12.86	1.30	12.96	361.98	14.17	13.05	1.12	13.14	361.80
MT-4	374.89	11.34	9.53	1.81	9.67	365.22	11.20	10.22	0.98	10.30	364.59	11.62	10.62	1.00	10.70	364.19
North Pond	375.15	1.45		0.00	1.45	373.70	0.00		0.00	0.00	375.15	0.00		0.00	0.00	375.15



Notes

Elevations are in feet above mean sea level.

LNAPL thickness data are in feet.

TOC elevation data, formulas, and specific gravity provided by McFarland Cascade Pole and Lumber Company.

-- = no LNAPL.

CDTW = corrected depth to water. DTW measurement corrected for the presence of LNAPL, using the equation: DTW - (LNAPL Thickness * 0.92), which assumes a specific gravity of LNAPL equal to 0.92.

CELEV = corrected water elevation. Water elevation corrected for the presence of LNAPL, using the following equation: TOC - CDTW.

DT-LNAPL = depth to LNAPL.

DTW = depth to water.

LNAPL = light nonaqueous-phase liquid.

NM = not measured.

TOC = top of casing.



Table 3 IRAM System Summary Stella-Jones Corporation Eugene, Oregon

Location:		R-1			R-2		Treatme	ent Plant
Date		dwater g Rates	LNAPL Recovery		dwater g Rates	LNAPL Recovery		dwater narge
Dale	Average GPM	Average GPD	(gallons) ^(a)	Average GPM	Average GPD	(gallons) ^(a)	Average GPD ^(b)	Total (gallons)
October 2023	8.1	11,675	1.80	4.0	5,763	0.00	19,077	591,388
November 2023	7.8	11,196	2.97	3.1	4,449	0.00	17,594	527,808
December 2023	7.1	10,292	1.03	3.5	4,992	0.00	18,841	584,066
January 2024	6.3	9,064	1.29	7.4	10,708	2.19	24,061	745,878
February 2024	5.9	8,528	2.75	7.3	10,564	7.38	22,906	664,284
March 2024	5.8	8,292	3.23	6.9	9,865	7.20	22,772	705,933
April 2024	6.1	8,839	3.01	7.1	10,224	1.60	23,682	710,471
May 2024	6.1	8,731	3.16	6.7	9,688	1.48	23,459	727,241
June 2024	5.9	8,454	0.00	5.7	8,208	0.00	20,644	619,333
July 2024	8.7	12,505	0.35	7.2	10,382	0.00	25,845	801,187
August 2024	7.8	11,237	0.32	5.6	8,115	0.00	22,920	710,527
September 2024	8.3	11,898	0.59	5.3	7,667	0.00	22,821	684,634
12 Month Average	7.0	10,059		5.8	8,385		22,052	
Total			20.50			19.85		8,072,750

Notes

Data provided by Stella-Jones.

Pumping at R-3 was discontinued on October 1, 2015, and pumping at R-4 was discontinued on February 8, 2013.

-- = not applicable.

GPD = gallons per day.

GPM = gallons per minute.

IRAM = interim remedial action measure.

LNAPL = light nonaqueous-phase liquid.

^(a)LNAPL recovery by product pumps.

(b) Average GPD was calculated by taking last recorded total groundwater discharge in a month divided by the total number of days in the month.

Table 4 VER LNAPL Recovery Summary Stella-Jones Corporation Eugene, Oregon



Date	R-5	96-2	96-3	MT-2	MT-3	MT-4	AGI-6	Total (gallons)
October 2023	2.85	0.28	1.44	0.15	0.01	0.08		4.81
November 2023	1.01	0.59	0.19			0.00	0.01	1.80
December 2023	3.79	0.66	0.15	0.01	0.00	0.73		5.34
January 2024	5.32	0.62	0.16	0.14	0.13	0.62		6.99
February 2024	4.98	0.75	0.16	0.18	0.12	0.09	0.00	6.28
March 2024	5.02	0.31	0.15	0.24	0.30	0.00	0.03	6.05
April 2024	4.38	0.65	0.10	0.27	0.53	0.51	0.00	6.44
May 2024	4.41	0.68	0.12	0.28	0.41	0.70	0.00	6.60
June 2024	2.59	0.62	0.09		0.16	0.55	0.00	4.01
July 2024	1.72	0.51	0.26	0.05	0.18	0.30	0.00	3.02
August 2024	0.71	0.90	0.19	0.08	0.21	0.16		2.25
September 2024	0.87	1.45	0.21	0.08	0.18	0.16		2.95
Total	37.65	8.02	3.22	1.48	2.23	3.90	0.04	56.54

Notes

Data provided by Stella-Jones Corporation in monthly IRAM and VER operations reports, submitted electronically to the Oregon Department of Environmental Quality via email on November 6, 2023 (for October 2023); December 6, 2023 (for November 2023); January 5, 2024 (for December 2023); February 12, 2024 (for January 2024); March 1, 2024 (for February 2024); April 8, 2024 (for March 2023); May 9 and 10, 2024 (for April 2024); June 4, 2024 (for May 2024); July 10, 2024 (for June 2024); August 5, 2024 (for July 2024); September 6, 2024 (August 2024), and October 7, 2024 (for September 2024).

Shading indicates that a shallow well hand pump was used instead of the VER system.

-- = no LNAPL recovery attempted.

IRAM = interim remedial action measure.

LNAPL = light nonaqueous-phase liquid.

VER = vacuum-enhanced recovery.



Table 5 Chlorophenol Analytical Results Stella-Jones Corporation Eugene, Oregon

RBC, Groundwater, Ingestion and Inhalation from Tapwater, Residential [HIDE] NV NV NV A.4 EPA, Resident Tapwater, RSLs (THQ =1.0) lower of c/nc [HIDE] Screening Level ^(a) : 240 (2.3.4.6-TeCP) NV 1200 4.1 Screening Level ^(a) : 240 (b)(1) NV 1,200 (1) 4.40 (2) 90-1D 90-1D-0424 04/29/2024 N 0.258 J 0.200 U 0.200 U 90-1D-0924 09/16/2024 N 0.108 UJ 0.125 0.0538 U 0.0538 U 0.0538 U 0.0538 U 0.0538 U 0.0538 U 0.0400 UJ 0.400 UJ 0.400 UJ 0.406 J 0.119 J 0.0485 U 0.0485 U 0.200 U 92-9-0124 01/29/2024 N 0.400 UJ 0.260 J 0.200 U 0.200 U 0.200 U 0.200 U 0.200 U 0.200 U 0.213 U 0.213 U 0.213 U 0.213 U 0.213 U 0.2505 U	NV	
EPA, Groundwater and Drinking Water, MCLs [HIDE] NV NV NV NV NV A.4 RBC, Groundwater, Ingestion and Inhalation from Tapwater, Residential [HIDE] NV NV NV NV A.4 EPA, Resident Tapwater, RSLs (THQ =1.0) lower of c/nc [HIDE] 240 (2,3,4,6-TeCP) NV 1200 4.1 Screening Level ^(a) : 240 (b)(1) NV 1,200 (1) 4.40 (2) 4.1 90-1D 90-1D-0424 04/29/2024 N 0.258 J 0.200 U 0	NV	_
EPA, Resident Tapwater, RSLs (THQ =1.0) lower of c/nc [HIDE] 240 (2,3,4,6-TeCP) NV 1200 4.1 Screening Level ^(a) : 240 (b)(1) NV 1,200 (1) 4.40 (2) 90-1D 90-1D-0424 90-1D-0924 90-1D-0924 90-1D-0924 09/16/2024 N 0.108 UJ 0.125 0.0538 U 0.0		1.0
Screening Level ^(a) : 240 ^{(b)(1)} NV 1,200 ⁽¹⁾ 4.40 ⁽²⁾ 90-1D 90-1D-0424 04/29/2024 N 0.258 J 0.200 U 0.200 U 90-1D-0924 09/16/2024 N 0.108 UJ 0.125 0.0538 U 0.0538	NV	0.044
90-1D 90-1D-0424 04/29/2024 N - 0.258 J 0.200 U 0.200 U 90-1D-0924 09/16/2024 N 0.108 UJ 0.125 0.0538 U 0.0500 U 0.0500 U 0.0500 U 0.0505 U 0.0505 U 0.05538 U 0.0538 U 0.0503 U 0.0505	46	0.041
90-1D 90-1D-0424 04/29/2024 N - 0.258 J 0.200 U 0.200 U 90-1D-0924 09/16/2024 N 0.108 UJ 0.125 0.0538 U 0.0508 U 0.0508 U 0.0505 U 0.0505 U 0.05538 U 0.0538	46.0 (1)	1.0 (3)
90-1D-0924 09/16/2024 N 0.108 UJ 0.125 0.0538 U	0.200 U	2.06
92-9 0124 01/29/2024 N 0.246 J 0.119 J 0.0485 U	0.0538 U	1.84
92-9 DUP-0124 01/29/2024 PD 0.400 UJ 0.260 J 0.200 U 0.200 U 92-9-0424 04/29/2024 N 0.400 UJ 0.215 J 0.200 U 0.200 U 0.200 U 92-9-0924 09/17/2024 N 0.426 UJ 0.213 U 0.215	0.200 U	2.11
92-9 92-9-0424 04/29/2024 N 0.400 UJ 0.215 J 0.200 U 0.200 U 92-9-0924 09/17/2024 N 0.426 UJ 0.213 U 0.213 U 0.213 U 0.213 U 0.213 U 0.213 U 0.205 U 0.215 J 0.200 U 0.200 U	0.0485 U	9.52
92-9-0424 04/29/2024 N 0.400 UJ 0.215 J 0.200 U 0.200 U 92-9-0924 09/17/2024 N 0.426 UJ 0.213 U 0.213 U 0.213 U 0.2130 U 93-1A-0124 01/29/2024 N 0.101 UJ 0.0505 U 0.0505 U 0.0505 U 0.0505 U	0.200 U	9.90
93-1A 93-1A-0124 01/29/2024 N 0.101 UJ 0.0505 U 0.0505 U 0.0505 U	0.200 U	4.92
93-1A 93-1A	0.213 U	4.27
93-1A	0.0505 U	0.101 U
93-1A-0924 09/17/2024 N 0.101 UJ 0.0509 J 0.0505 U 0.0505 U 0.0505 U	0.0505 U	0.101 U
93-3 93-3-0924 09/16/2024 N 0.108 UJ 0.0538 U 0.0538 U 0.0538 U 0.0538 U	0.0538 U	0.121 J
93-4-0424 04/30/2024 N 0.421 UJ 0.211 U 0.211 U 0.211 U	0.211 U	2.28
93_1	0.0505 U	0.270
93-8-0424 04/30/2024 N 0.105 UJ 0.0526 U 0.0526 U 0.0526 U 0.0526 U	0.0526 U	0.113 J
03.8	0.0510 U	0.102 J
	0.0505 U	0.069
P-2D-0424 04/30/2024 N 0.400 III 0.281 I 0.200 II 0.200 II	0.200 U	2.43
P_{-}^{\prime}	0.0532 U	1.63
R-1-0424 04/29/2024 N 0.952 UJ 0.476 U 0.476 U 0.476 U	0.476 U	4.93
R-1-0424-DUP 04/29/2024 FD 0.962 UJ 0.481 U 0.481 U 0.481 U	0.481 U	5.03
R-1 R1-0924 09/17/2024 FD 0.990 UJ 0.495 U 0.495 U 0.495 U	0.495 U	5.80
R1-0924-DUP 09/17/2024 N 1.00 UJ 0.500 U 0.500 U 0.500 U	0.500 U	5.86
R-2-0424 04/29/2024 N 2.22 UJ 1.11 U 1.11 U 1.11 U	2.22 U	12.8
R-2 R2-0924 09/17/2024 N 0.412 UJ 0.226 J 0.206 U 0.206 U	0.206 U	0.726 ј
R-3-0424 04/29/2024 N 4.90 UJ 2.45 U 2.45 U 2.45 U	2.45 U	0.172
R-3 R3-0924 09/17/2024 N 0.400 UJ 0.200 U 0.200 U 0.200 U		
South Pond SOUTH POND-0124 01/29/2024 N 0.100 UJ 0.0500 U 0.0500 U 0.0500 U	0.200 U	0.083 J

Table 5 Chlorophenol Analytical Results Stella-Jones Corporation Eugene, Oregon



Notes

Detections are in **bold** font.

Shading indicates values that exceed screening criteria; non-detects (U or UJ) were not compared with screening criteria.

DEQ = Oregon Department of Environmental Quality.

EPA = U.S. Environmental Protection Agency.

FD = field duplicate sample.

J = result is estimated.

MCL = maximum contaminant level.

N = normal environmental sample.

NV = no value available.

RBC = risk-based concentration.

RSL = regional screening level.

U = result is non-detect at the laboratory detection limit.

ug/L = micrograms per liter (parts per billion).

UJ = result is non-detect with an estimated detection limit.

(a) As directed by DEQ, screening levels are applied in the following order: EPA MCL, (3) DEQ RBC for groundwater, ingestion and inhalation from tapwater, (2) and the lower available cancer or noncancer EPA generic RSL for tapwater. (1) If no screening level is available, then "NV" is shown.

(b) Value displayed is associated with 2,3,4,6-tetrachlorophenol.

References

[1] EPA. 2023. Regional Screening Level Summary Table (Target Cancer Risk of 1E-06, Hazard Quotient of 1.0), U.S. Environmental Protection Agency. November.

⁽²⁾DEQ. 2023. Table: Risk-Based Concentrations for Individual Chemicals . Oregon Department of Environmental Quality. August.

(3) EPA. 2023. MCLs from the Regional Screening Level Summary Table (Target Cancer Risk of 1E-06, Hazard Quotient of 1.0), U.S. Environmental Protection Agency. November.



Table 6 Semi-Volatile Organic Compound Analytical Results Stella-Jones Corporation Eugene, Oregon

Location:			R-	-1		R-	2	R-	3
Sample Name:	Screening	R-1-0424	R-1-0424-DUP	R1-0924	R1-0924-DUP	R-2-0424	R2-0924	R-3-0424	R3-0924
Collection Date:	Level ^(a)	04/29/2024	04/29/2024	09/17/2024	09/17/2024	04/29/2024	09/17/2024	04/29/2024	09/17/2024
Sample Type:	† †	N	FD	N	FD	Ν	N	N	Ν
SVOCs (ug/L)						<u>"</u>		<u> </u>	
1,2,4-Trichlorobenzene	70 ⁽²⁾	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.1 U
1,2-Dichlorobenzene	600 ⁽²⁾	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.1 U
1,2-Dinitrobenzene	1.9 (1)	2.38 U	2.4 U	2.48 U	2.5 U	5.56 U	1.03 U	12.3 U	1 U
1,3-Dichlorobenzene	NV	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.1 U
1,3-Dinitrobenzene	2 (1)	2.38 U	2.4 U	2.48 U	2.5 U	5.56 U	1.03 U	12.3 U	1 U
1,4-Dichlorobenzene	75 ⁽²⁾	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.1 U
1,4-Dinitrobenzene	2 (1)	2.38 U	2.4 U	2.48 U	2.5 U	11.1 U	1.03 U	12.3 U	1 U
1-Methylnaphthalene	1.1 (1)	0.639 J-	0.659 J-	0.64	0.692	110 J-	0.0825 U	181 J-	163
2,2'-Oxybis(1-chloropropane)	NV	0.238 UJ	0.24 UJ	0.248 U	0.25 U	0.556 UJ	0.103 U	1.23 UJ	0.1 U
2,4-Dimethylphenol	360 ⁽¹⁾	2.38 U	2.4 U	2.48 U	2.5 U	5.56 U	1.03 U	12.3 U	1.38 J
2,4-Dinitrophenol	39 ⁽¹⁾	2.38 U	2.4 U	2.48 U	2.5 U	5.56 U	1.03 U	12.3 U	2 U
2,4-Dinitrotoluene	0.24 (1)	0.952 U	0.962 U	0.99 U	1 U	4.44 U	0.412 U	4.9 U	2.48 U
2,6-Dinitrotoluene	0.049 (3)	0.952 UJ	0.962 UJ	0.99 U	1 U	2.22 UJ	0.412 U	4.9 UJ	0.4 U
2-Chloronaphthalene	750 ⁽¹⁾	0.0952 UJ	0.0962 UJ	0.099 U	0.1 U	0.889 UJ	0.0412 U	0.49 UJ	0.32 U
2-Chlorophenol	91 ⁽¹⁾	0.476 U	0.481 U	0.495 U	0.5 U	1.11 U	0.206 U	2.45 U	0.2 U
2-Methylnaphthalene	36 ⁽¹⁾	0.316 J-	0.38 J-	0.198 U	0.2 U	20.4 J-	0.0825 U	171 J-	120
2-Methylphenol	930 (1)	0.238 U	0.24 U	0.248 U	0.25 U	1.11 U	0.103 U	1.23 U	3.25
2-Nitroaniline	190 ⁽¹⁾	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
2-Nitrophenol	NV	0.952 U	0.962 U	0.99 U	1 U	2.22 U	0.412 U	4.9 U	0.4 U
3- & 4-Methylphenol (m,p-Cresol)	NV	0.238 U	0.24 U	0.248 U	0.25 U	2.00 U	0.103 U	1.23 U	8.27
3,3-Dichlorobenzidine	0.17 (3)	4.76 UJ	4.81 UJ	4.95 UJ	5 UJ	11.1 UJ	2.06 R	24.5 UJ	2 UJ
3-Nitroaniline	NV	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
4,6-Dinitro-2-methylphenol	1.5 ⁽¹⁾	2.38 U	2.4 U	2.48 U	2.5 U	5.56 U	1.03 U	12.3 U	1 U
4-Bromophenylphenyl ether	NV	0.238 U	0.24 U	0.248 U	0.25 U	0.556 U	0.103 U	1.23 U	0.1 U
4-Chloro-3-methylphenol	1,400 (1)	0.952 U	0.962 U	0.99 U	1 U	2.22 U	0.412 U	4.9 U	0.8 U
4-Chloroaniline	0.37 (1)	0.238 U	0.24 U	0.248 U	0.25 U	1.11 U	0.103 U	2.45 U	0.25 U
4-Chlorophenylphenyl ether	NV	0.238 UJ	0.24 UJ	0.248 U	0.25 U	0.556 UJ	0.103 U	1.23 UJ	0.1 U
4-Nitroaniline	3.8 (1)	1.9 U	1.92 U	1.98 U	2 U	8.89 U	0.825 U	9.8 U	3.2 U
4-Nitrophenol	NV	0.952 U	0.962 U	0.99 U	1 U	4.89 U	0.412 U	4.9 U	0.8 U
Acenaphthene	510 ⁽³⁾	1.46 J-	1.58 J-	2.44	2.37	155 J-	4.74	175 J-	161
Acenaphthylene	NV	0.0952 U	0.0962 U	0.099 U	0.1 U	2.67 U	0.78	1.96 U	2.04 U
Aniline	13 ⁽¹⁾	0.476 U	0.481 U	0.495 U	0.5 U	1.11 U	0.206 U	2.45 U	0.2 U
Anthracene	1,800 (1)	0.133 J	0.144 J	0.143 J	0.139 J	18.4	0.164	8.7	7
Benzo(a)anthracene	0.03 (3)	0.0952 U	0.0962 U	0.099 U	0.1 U	6.49	0.0412 U	1.31	0.569
Benzo(a)pyrene	0.2 (2)	0.143 U	0.144 U	0.149 U	0.15 U	2.35	0.074 J	0.735 U	0.219
Benzo(b)fluoranthene	0.25 (3)	0.143 U	0.144 U	0.149 U	0.15 U	3.29	0.0812 J	0.735 U	0.261
Benzo(ghi)perylene	NV	0.0952 U	0.0962 U	0.099 U	0.1 U	0.504	0.0412 U	0.49 U	0.0402 J



Table 6 Semi-Volatile Organic Compound Analytical Results Stella-Jones Corporation Eugene, Oregon

Location:			R	-1		R-	2	R-	3
Sample Name:	Screening	R-1-0424	R-1-0424-DUP	R1-0924	R1-0924-DUP	R-2-0424	R2-0924	R-3-0424	R3-0924
Collection Date:	Level ^(a)	04/29/2024	04/29/2024	09/17/2024	09/17/2024	04/29/2024	09/17/2024	04/29/2024	09/17/2024
Sample Type:	1 1	Ν	FD	N	FD	Ν	Ν	N	N
Benzo(k)fluoranthene	2.5 (1)	0.143 U	0.144 U	0.149 U	0.15 U	1.24 J	0.0619 U	0.735 U	0.123 J
Benzoic acid	75,000 ⁽¹⁾	11.9 U	12 U	12.4 U	12.5 U	27.8 U	5.15 U	61.3 U	5 U
Benzyl alcohol	2,000 (1)	0.952 U	0.962 U	0.99 U	1 U	2.22 U	0.412 U	4.9 U	0.4 U
Bis(2-chloroethoxy)methane	59 ⁽¹⁾	0.238 U	0.24 U	0.248 U	0.25 U	2.44 U	0.103 U	1.23 U	0.2 U
Bis(2-chloroethyl)ether	0.014 (3)	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.2 U
Bis(2-ethylhexyl)phthalate	6 ⁽²⁾	1.9 U	1.92 U	1.98 U	2 U	10.2	3.08	9.8 U	0.8 U
Butylbenzylphthalate	16 ⁽¹⁾	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
Carbazole	NV	0.143 U	0.144 U	0.189 J	0.187 J	1.11 U	0.0619 U	10.3	10.7
Chrysene	25 ⁽¹⁾	0.0952 U	0.0962 U	0.099 U	0.1 U	6.62	0.0412 U	1.09	0.662
Di(2-ethylhexyl)adipate	400 (2)	2.38 U	2.4 U	2.48 U	2.5 U	5.56 U	1.03 U	12.3 U	1 U
Dibenzo(a,h)anthracene	0.025 (3)	0.0952 U	0.0962 U	0.099 U	0.1 U	0.222 U	0.0412 U	0.49 U	0.04 U
Dibenzofuran	7.9 (1)	0.272 J-	0.29 J-	0.505	0.522	59.6 J-	0.0412 U	63.5 J-	63.3
Diethyl phthalate	15,000 (1)	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
Dimethyl phthalate	NV	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
Di-n-butyl phthalate	900 (1)	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
Di-n-octyl phthalate	200 (1)	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
Fluoranthene	800 (1)	0.219	0.211	0.259	0.279	48.5	1.5	13.7	9.01
Fluorene	280 (3)	1.52 J-	1.69 J-	1.24	1.28	82.8 J-	0.165 U	63.2 J-	57.3
Hexachlorobenzene	1 (2)	0.0952 U	0.0962 U	0.099 U	0.1 U	0.222 U	0.0412 U	0.49 U	0.04 U
Hexachlorobutadiene	0.14 (1)	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.1 U
Hexachlorocyclopentadiene	50 ⁽²⁾	0.476 U	0.481 U	0.495 U	0.5 U	1.11 U	0.206 U	2.45 U	0.2 U
Hexachloroethane	0.34 (3)	0.238 R	0.24 R	0.248 U	0.25 U	0.556 R	0.103 U	1.23 R	0.1 U
Hydrazine, 1,2-diphenyl	0.078 (1)	0.238 UJ	0.24 UJ	0.248 U	0.25 U	1.11 UJ	0.103 U	1.23 UJ	0.2 U
Indeno(1,2,3-cd)pyrene	0.25 (1)	0.0952 U	0.0962 U	0.099 U	0.1 U	0.674	0.0412 U	0.49 U	0.0542 J
Isophorone	78 ⁽¹⁾	0.238 U	0.24 U	0.248 U	0.25 U	1.11 U	0.103 U	1.23 U	0.1 U
Naphthalene	0.17 (3)	0.441 J-	0.495 J-	0.673	0.654	1.11 R	0.0825 U	565 J-	453
Nitrobenzene	0.14 (1)	0.952 U	0.962 U	0.99 U	1 U	2.22 U	0.412 U	4.9 U	1.04 U
N-Nitrosodimethylamine	0.00011 (1)	0.238 U	0.24 U	0.248 U	0.25 U	0.556 U	0.103 U	1.23 U	0.1 U
N-Nitrosodiphenylamine	13 ⁽³⁾	0.238 U	0.24 U	0.248 U	0.25 U	10.4 U	0.103 U	1.23 U	1.04 U
N-Nitrosodipropylamine	0.011 (3)	0.238 UJ	0.24 UJ	0.248 U	0.25 U	1.11 UJ	0.103 U	1.23 UJ	0.1 U
Phenanthrene	NV	0.256	0.255	0.247	0.238	123	0.0412 U	54.7	51.3
Phenol	5,800 ⁽¹⁾	1.9 U	1.92 U	1.98 U	2 U	4.44 U	0.825 U	9.8 U	0.8 U
Pyrene	110 (3)	0.263	0.278	0.362	0.359	37.8	2.18	10.2	6.83
Pyridine	20 (1)	0.952 U	0.962 U	0.99 U	1 U	2.22 U	0.412 U	4.9 U	0.4 U

Table 6

Semi-Volatile Organic Compound Analytical Results Stella-Jones Corporation Eugene, Oregon



Notes

Detections are in **bold** font.

Shading indicates values that exceed screening criteria; non-detects (U or UJ) were not compared with screening criteria.

DEQ = Oregon Department of Environmental Quality.

EPA = U.S. Environmental Protection Agency.

FD = field duplicate sample.

J = result is estimated.

J- = result is estimated, but the result may be biased low.

MCL = maximum contaminant level.

N = normal environmental sample.

NV = no screening value available.

R = result is rejected. The analyte may or may not be present in the sample.

RBC = risk-based concentration.

RSL = regional screening level.

SVOC = semivolatile organic compound.

U = result is non-detect at the method detection limit or method reporting limit.

ug/L = micrograms per liter (parts per billion).

UJ = result is non-detect with an estimated detection limit.

(a) As directed by DEQ, screening levels are applied in the following order: EPA MCL, (2) DEQ RBC for groundwater, ingestion and inhalation from tapwater, (3) and EPA generic RSL for tapwater. (1) If no screening level is available, then "NV" is shown.

References

⁽¹⁾EPA. 2023. Regional Screening Level Summary Table (Target Cancer Risk of 1E-06, Hazard Quotient of 1.0), U.S. Environmental Protection Agency. November.

⁽²⁾EPA. 2023. MCLs from the Regional Screening Level Summary Table (Target Cancer Risk of 1E-06, Hazard Quotient of 1.0), U.S. Environmental Protection Agency. November.

(3) DEQ. 2023. Table: Risk-Based Concentrations for Individual Chemicals . Oregon Department of Environmental Quality. August.

Table 7 IRAM Treatment System Monthly Monitoring Results Stella-Jones Corporation Eugene, Oregon



		55. A. A. III. I	Collection Date											
Location	Parameter	EPA Method Number		2023						2024				
		140111001	October	November	December	January	February	March	April	May	June	July	August	September
Influent	PCP (ug/L)	8270D SIM	0.717 U	3.48	1.83	3.94	3.81	17.60	2.37	1.21	0.717 U	1.2	0.580 U	0.580 U
Midpoint	PCP (ug/L)	8270D SIM	0.717 U	2.23	1.30	3.28	4.25	15.6	1.11	0.72	0.717	0.580 U	0.580 U	0.580 U
Effluent	PCP (ug/L)	8270D SIM	0.714 U	1.23	0.826	2.820	2.270	5.240	0.717 U	0.717 U	0.714 U	0.580 U	0.580 U	0.580 U
Embern	pH (Standard Unit)		7.40	7.40	7.50	7.50	7.30	7.15	7.16	7.21	7.05	7.16	7.15	7.15

Notes

Data provided by Stella-Jones.

Monthly water samples were collected at the IRAM treatment system and analyzed for PCP by EPA Method 8270D SIM. The treatment system influent, midpoint (between the two carbon filters), and effluent at Outfall 001 were sampled and analyzed in accordance with approved plans and permits.

EPA = U.S. Environmental Protection Agency.

IRAM = interim remedial action measure.

PCP = pentachlorophenol.

pH = Measured using a pH meter, not lab analyzed.

U = result is non-detect at the method detection limit.

ug/L = micrograms per liter.



Table 8 Pentachlorophenol Analytical Results in North Pond and South Pond Stella-Jones Corporation Eugene, Oregon

Location	Collection Date	Sample Type	Pentachlorophenol
		Units:	ug/L
AW	'QC—Aquatic Life Criteria, Fr	eshwater CMC ⁽¹⁾ :	19
AW	'QC—Aquatic Life Criteria, Fr	reshwater CCC ⁽¹⁾ :	15
AWQC—Human Health	n, for Consumption of Water	and Organisms ⁽¹⁾ :	0.03
AWQC—Human	Health, For Consumption of	Organism Only ⁽¹⁾ :	0.04
		EPA MCL ⁽²⁾ :	1.0
	January 2008	Ν	0.18 J
	March 2008	N	0.25 U
	September 2008	Ν	0.25 U
	December 2008	Ν	0.25 U
	March 2009	Ν	0.25 U
	January 2010	N	0.27
	March 2010	Ν	0.25 U
	December 2010	Ν	0.25 U
	March 2011	Ν	0.25 U
	December 2011	Ν	0.25 U
	March 2012	Ν	0.25 U
	December 2012	Ν	0.25 U
North Pond	March 2013	Ν	0.25 U
	December 2013	Ν	0.63
	January 2014	Ν	0.25 U
	01/09/2015	Ν	0.27
	01/06/2016	Ν	0.25 U
	12/20/2016	Ν	0.25 U
	01/23/2018	Ν	0.712
	01/23/2018	FD	0.574
	01/22/2019	Ν	0.374 U
	01/30/2020	Ν	0.197
	01/31/2022	Ν	0.050
	01/17/2023	Ν	0.104 J
	01/29/2024	N	0.069
	January 2008	N	0.31
	December 2008	Ν	0.25 U
	January 2010	N	0.25 U
	December 2010	N	0.25 U
South Pond	December 2011	N	0.25 U
	December 2012	N	0.25 U
	December 2013	N	0.25 U
	01/09/2015	N	0.18 J
	01/06/2016	N	0.25 U

Table 8 Pentachlorophenol Analytical Results in North Pond and South Pond Stella-Jones Corporation Eugene, Oregon



Location	Collection Date	Sample Type	Pentachlorophenol					
		Units:	ug/L					
AWQC	—Aquatic Life Criteria, Fre	eshwater CMC ⁽¹⁾ :	19					
AWQC	AWQC—Aquatic Life Criteria, Freshwater CCC ⁽¹⁾							
AWQC—Human Health, fo	AWQC—Human Health, for Consumption of Water and Organisms ⁽¹⁾ :							
AWQC—Human He	AWQC—Human Health, For Consumption of Organism Only ⁽¹⁾ :							
	EPA MCL ⁽²⁾ :							
	12/20/2016	N	0.25 U					
	01/23/2018	N	0.601					
	01/22/2019	N	0.374 U					
South Pond (cont.)	01/30/2020	N	0.131					
	01/31/2022	N	0.083					
	01/17/2023	N	0.092 J					
	01/29/2024	N	0.059					

Notes

Detections are in **bold** font.

Shading indicates values that exceed screening criteria; non-detects (U or UJ) were not compared with screening criteria.

On October 26, 2020, DEQ temporarily suspended monitoring of wells located on Oregon Department of Transportation property. Because of this, the ponds were not sampled during the Winter 2020-2021 monitoring event.

January 2008–January 2014 data from historical semiannual reports previously submitted to DEQ.

AWQC = aquatic water quality criteria.

CCC = criterion continuous concentration.

CMC = criterion maximum concentration.

DEQ = Oregon Department of Environmental Quality.

EPA = U.S. Environmental Protection Agency.

FD = field duplicate sample.

J = result is estimated.

MCL = maximum contaminant level.

N = normal environmental sample.

U = result is non-detect at the method detection limit.

ug/L = micrograms per liter (parts per billion).

References

(1) EPA Water Quality Criteria.

⁽²⁾EPA National Primary Drinking Water Regulations MCL. May 2009. (EPA 816-F-09-004)

Attachment A

Fluid Level Measurements and Groundwater Sampling Forms



					*				
		S Engineering nvironmental I			Project No: 22	2588.	000		
NPBS	GI	ROUNDWAT	ER	Pro	ject Name/ Location:	IcFarl	and Cascade Eugene, Oreg	jon	
2103	'	SAMPLING FORM			Date: (/	120	1/24		
	×	FORIVI		ı	Monitoring Well ID		92-9		
Initial DTW (feet bo	gs)	2.58		San	nple ID (if not we	II ID)	92-9-0129		
Well depth (feet bo		29.4			Sample T	ime	0800		
1 Well Volume (gallor	ıs)	4.3			QC Sam	nple	☐ Not collected		
Sampling metho	od Ne	w Disposable B	ailer		type: DVP		ID DUP - 0124 Time 107		
				-	Field Persor	(Janessa Sar	idoval	
Purge Rate (mL/mi	in)	NA		V	Veather Conditi	ons	Fog/Overca	st	
			PURGIN	IG IN	FORMATION				
Time □ elapsed ⊠ actual	Temp. (C)	Specific conductivity mS/cm x µS/cm	pН		TDS (ppm)		Observations	Volume purged Itr	
0750	13.3	411	7.6	2	292		Clear	4.3	
0755	13.7	411	7.4	3	201		clear	4.3	
0800	13.4	400	7.3	35	290		Clear	4.3	
	9						9		
	Х								
·		L					Total Volume Purged	12.9	
FIELD OBSERVATIONS /	NOTES (sucl	n as well head co	ndition, g	round	water color, sedim	ent lo	oad, recovery, sheen, odor, ec	uipment)	
		v ·							
					,				
*									
			1			7			
Signature of Field Perso	nnel·	and the same of th	100		Jana//				

Note: 0.16 gallons per linear feet for 2" wells utilized to calculate 1 purge volume

					×			
		Engineering vironmental I			Project No: 225	588.0	000	
⊠PBS	GR	ROUNDWAT SAMPLING	ER	Pro	Location:		and Cascade Eugene, Orego	on
		FORM			Date:	29	1/24	
2 9		TORWI		N	Monitoring Well	ID	93-1A	
Initial DTW (feet bg	s)	3.32		San	nple ID (if not well	ID)	93-1A-0124	,
Well depth (feet bg	s) \			,	Sample Tir	me	0900	
1 Well Volume (gallon	s)	4.9			QC Samp	ole	Not collected	
Sampling metho		w Disposable B	ailer	type:		_	ID Time	
		· · · · · · · · · · · · · · · · · · ·			Field Personr	\neg	Janesca Sa Fog/Over on	name
Purge Rate (mL/mi	n)	NA		W	leather Conditio	ns	Fog/Ower ca	<u>ct</u>
	特性数数		PURGIN	IG IN	FORMATION			
Time ☐ elapsed ☑ actual	Temp. (C)	Specific conductivity mS/cm	pН		TDS (ppm)		Observations	Volume purged ltr x gal
0845	12.6	352	7.7	6	251		Clear	5
0000	13,3	356	7.1	0	- 49		clear	5
0555	13.3	347	7.7	5	252		clear	<u> </u>
1.08								
								Χ.,
				0	*			* 0
	•				77 202		Total Volume Purged	15
FIELD OBSERVATIONS	NOTES (sucl	n as well head co	ndition, g	round	water color, sedime	ent lo	oad, recovery, sheen, odor, equ	uipment)
					*			
			·					
Signature of Field Perso	innel:	nesser i	1000:	ndo	1001			

	PBS Engineering and Environmental Inc.	Project No: 22588.	000
PBS	SURFACE WATER	Project Name/ Location: McFarl	and Cascade Eugene, Oregon
	SAMPLING	Date: \ \2	9/24
	FORM	Surface Water Body Name	North Pond
Pond Gauge Elevation (feet)	7.4	Sample ID (if not well ID)	North Pond- 0 24
Depth to Bottom		Sample Time	0945
(feet)	15.3	QC Sample	Not collected
Sampling method	New Disposable Pailer	type: 4017	ID Nov the Time 0945
(describe pump or sampler)	New Disposable Bailer	Field Personnel	* .
Purge Rate (mL/min)	NA	Weather Conditions	Foglover cast

		SURFACE \	NATER INFORMAT	ION	建筑地区域。对于中国建筑地域
Time □ elapsed ⊠ actual	Temp. (C)	Specific conductiv	rity pH IS/cm	TDS (ppm)	Observations
0940	10.1	198.9	8.2	135	dear
FIELD OBSERVAT	IONS / NOTES				
		1.0	•		
C	auge	7.4A			

	PBS Engineering and Environmental Inc.	Project No: 22588.000				
N DRC	SURFACE WATER	Project Name/ Location: McFarland Cascade Eugene, Oregon				
	SAMPLING	Date: 1/29/24				
	FORM	Surface Water Body Name	South Pond			
Pond Gauge Elevation (feet)	N/A	Sample ID (if not well ID)	South Pond- 0124			
Depth to Bottom	-13.6	Sample Time	1030			
(feet)	-10.6	QC Sample	Not collected IDSouth Roa Time 1020			
Sampling method	Now Disposable Pailor	type: Split	IDSOUNTONATIME 1020			
(describe pump or sampler)	New Disposable Bailer	Field Personnel	Janessa Sandona			
Purge Rate (mL/min)	NA	Weather Conditions	Foolover cast			
			, 9			

[2] (水) 基注基注		SURFACE WATER	INFORMAT	ion :	
Time □ elapsed ⊠ actual	Temp. (C)	Specific conductivity ☐ mS/cm μS/cm	рН	TDS (ppm)	Observations
1010	11.2	112.5	7.32	79.2	clear
FIELD OBSERVATI	ONS / NOTES				
		·			
				٠	
,					,
		•••			·
					•
				_//	
Signature of Fie	ld Personnel:	anerse Hour	don		
		7000			



Project Infor	mation								
Project	t No.	Client	Name	Project	Name	Samplir	ng Event	Samp	oler(s)
M0022.0	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ation								
Location ID	Wel	I Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depti (ft)
90-1D	Mon	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
		Depth to	Depth to	Depth to Water	Product	Water Column	Well Casing	0.75" = 0.023	J ,,
Date	Time	Bottom (ft) DTB	Product (ft) DTP	(ft) DTW	Thickness (ft) DTW - DTP	(ft) DTB - DTW	Volume (gal) (gal/ft x water column)	1" = 0.041 gal 1.5" = 0.092 g	al/ft
04/29/2024	14:45	63.80		6.95		56.85	9.27	2" = 0.163 gal, 3" = 0.367 gal,	
Water Qualit	ty Data							4" = 0.653 gal,	
Purge Method		ble Bailer		Methods: perista				6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start	· · · · · ·		inertia pump, de ideally < 0.3 ft	edicated pump, di	sposable bailer,	bladder pump, o	ther	0 2.011 gui,	< 5 or
Time		1:52	drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
15:06	10.0			7.48	14.2	568.4			302.3
15:26	20.0			7.31	14.2	572.9			303.0
15:40	15:40 30.0			7.35	14.1	572.4			303.9
Last row of water	r quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	С	Disposable Baile	er
Observations						Sample Name		90-1D-0424	
(clarity, tint, odor, sheen,	clear; colorle	:55				Sample Date	04/29/2024	Sample Time	15:40
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containe
General Com	ments					VOA		(-///	
						Amber glass	None	N	2
						Poly			
							Total N	No. Containers:	2



Project Infor	mation								
Projec	t No.	Client	Name	Project	Name	Samplii	ng Event	Samp	oler(s)
M0022.0	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ation								
Location ID	Wel	I Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
90-5	Mon	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
		Depth to	Depth to	Depth to Water	Product	Water Column	Well Casing	0.75" = 0.023	
Date	Time	Bottom (ft)	Product (ft)	(ft)	Thickness (ft)	(ft)	Volume (gal) (gal/ft x water	1" = 0.041 gal,	
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	column)	1.5" = 0.092 gal/ft 2" = 0.163 gal/ft 3" = 0.367 gal/ft	
04/29/2024	13:30	20.90		5.78		15.12	2.46		
Water Quali	ty Data							4" = 0.653 gal,	
Purge Method	Disposa	ble Bailer		Methods: perista				6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start		v-20	ideally < 0.3 ft	dicated pump, dis	sposable baller,	blaaaer pump, o	tner	9,	< 5 or
Time		3:30	drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
13:40	2.5			6.80	14.6	599.8			318.2
13:50	5.0			6.80	14.7	571.7			303.9
14:00	7.5			6.80	14.6	568.7			302.0
Last as C			! <i>6</i> : -! -!			Committee			
•	er quality aata a	re considerea fin	ai fiela paramete	ers unless otherwi	se notea.	Sample Info		Disposable Baile	er
Water Quality Observations						Method Sample Name		90-5-0424	
(clarity, tint, odor, sheen,	clear; colorle	!SS				Sample Date	04/29/2024	Sample Time	14:00
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Container
General Com	nments					VOA			
						Amber glass	None	N	2
						Poly			
							Total N	lo. Containers:	2



Project Infor	mation								
Projec		Client	Name	Project	Name	Samplii	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	l 2024 C. Schweit		weitzer
Well Informa	ation								
Location ID	Wel	I Туре	Monum	ent Type	Depth Measuring Point		Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
92-9	Mon	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
Date	Time	Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 <u>.</u> 1" = 0.041 gal,	
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water column)	1.5" = 0.092 go 2" = 0.163 gal,	
04/29/2024	16:15	29.40		4.36		25.04	4.08	3" = 0.367 gal,	/ft
Water Quali	ty Data							4" = 0.653 gal, 6" = 1.469 gal,	•
Purge Method	Disposa	ble Bailer				nersible pump, va . bladder pump, o		8" = 2.611 gal,	•
Purge Start Time	16	5:20	ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	pН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ppm
16:25	4.25			7.75	14.3	408.8			216.9
16:33	8.5			7.36	14.3	388.1			206.1
16:41	12.75			7.28	14.1	386.3			205.0
Last row of wate	er quality data a	ire considered fin	al field paramete	rs unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	[Disposable Baile	er
Observations	l					Sample Name		92.9-0424	
(clarity, tint, odor, sheen,	clear; colorle	ess				Sample Date	04/29/2024	Sample Time	16:41
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containe
General Con	nments					VOA		(1/14)	
						Amber glass	None	N	2
						Poly			
							Total N	No. Containers:	2



Project Infor	mation								
Projec		Client	Name	Project	Name	Samplin	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ation								
Location ID	Well	I Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
93-4	Moni	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
Date	Time	Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 (1" = 0.041 gal)	
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water column)	1.5" = 0.092 g 2" = 0.163 gal	
04/30/2024	10:15	75.00		7.02		67.98	11.08	3" = 0.367 gal,	-
Water Quali	ty Data							4" = 0.653 gal,	=
Purge Method	Disposa	ble Bailer		Methods: perista dicated pump, dis				6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start	10	0:20	ideally < 0.3 ft						< 5 or
Time	Cumulative	7.20	drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5 Dissolved	± 10	± 10% if > 5
Time	Purge Volume	Flowrate	Water Level	pН	Temperature	Conductivity	Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
10:40	11.0			7.36	11.8	411.0			218.0
11:00	22.0			7.54	12.3	412.0			218.8
11:05	33.0			7.32	12.4	412.4			218.6
Last row of wate	er quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality			· ·			Sampling Method	Disposable Bailer		
Observations (clarity, tint,	clear; colorle	!SS				Sample Name		93-4-0424	
odor, sheen, etc.)	1.00., 00.0110	- -				Sample Date	04/30/2024	Sample Time	11:15
						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Con	nments					VOA			
						Amber glass	None	N	2
						Poly			
							Total N	No. Containers:	2



04/30/2024 13 Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 13:52 1	Monit Measur Time 13:25 ata Disposal	Stella Type toring	Purge/Sampling	Project 2024 Remediati ent Type mount Depth to Water (ft) DTW 5.75 Methods: peristal dicated pump, districted pump, distr	Depth Mea Top of Product Thickness (ft) DTW - DTP	April asuring Point f Casing Water Column (ft) DTB - DTW 39.25			/ft al/ft /ft /ft /ft
Well Information Location ID 93-8 Hydrology/Level Date T 04/30/2024 13 Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 13:52 1	Mell Monit Measur Time 13:25 ata Disposat 13 mulative e Volume gal 6.5 13.0	Type toring Tements Depth to Bottom (ft) DTB 45.00 ble Bailer :30 Flowrate	Purge/Sampling inertia pump, de ideally < 0.3 ft drawdown Water Level	ent Type mount Depth to Water (ft) DTW 5.75 Methods: perista dicated pump, dis ± 0.1 pH SU 7.29 7.39	Depth Mea Top of Product Thickness (ft) DTW - DTP Itic pump, subm sposable bailer, ± 3% Temperature degrees C 14.1 15.0	water Column (ft) DTB - DTW 39.25 mersible pump, va bladder pump, o ± 3% Conductivity uS/cm 426.5 562.4	Well Diameter (in) 2.0 Well Casing Volume (gal) (gal/ft x water column) 6.40 cuum pump, ther ± 10% if > 0.5 Dissolved Oxygen	0.75" = 0.023 g 1" = 0.041 gal, 1.5" = 0.092 gal, 3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal, ± 10	Sample Depth (ft) gal/ft /ft al/ft /ft /ft /ft /ft /ft /ft /ft /ft 25 or ± 10% if > 5 TDS ppm 225.9 298.8
Location ID 93-8 Hydrology/Level Date T 04/30/2024 13 Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 13:52 1	Mell Monit Measur Time L3:25 ata Disposat 13 mulative e Volume gal 6.5 13.0	rements Depth to Bottom (ft) DTB 45.00 ble Bailer :30 Flowrate	Purge/Sampling inertia pump, de ideally < 0.3 ft drawdown Water Level	mount Depth to Water (ft) DTW 5.75 Methods: perista edicated pump, dis ± 0.1 pH SU 7.29 7.39	Product Thickness (ft) DTW - DTP Itic pump, subm sposable bailer, ± 3% Temperature degrees C 14.1 15.0	Water Column (ft) DTB - DTW 39.25 mersible pump, va bladder pump, o ± 3% Conductivity uS/cm 426.5 562.4	Well Casing Volume (gal) (gal/ft x water column) 6.40 couum pump, ther ± 10% if > 0.5 Dissolved Oxygen	(ft) 0.75" = 0.023 g 1" = 0.041 gal, 1.5" = 0.092 gg 2" = 0.163 gal, 3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal,	(ft) (ft)
Date T 04/30/2024 1: Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 0 13:52 1	Time 13:25 ata Disposation 13 mulative e Volume gal 6.5 13.0	Depth to Bottom (ft) DTB 45.00 DIB Bailer 30 Flowrate	Depth to Product (ft) DTP Purge/Sampling inertia pump, de ideally < 0.3 ft drawdown Water Level	Depth to Water (ft) DTW 5.75 Methods: peristardicated pump, distance of the peristance of	Product Thickness (ft) DTW - DTP Itic pump, subm sposable bailer, ± 3% Temperature degrees C 14.1 15.0	Water Column (ft) DTB - DTW 39.25 mersible pump, va bladder pump, o ± 3% Conductivity uS/cm 426.5 562.4	2.0 Well Casing Volume (gal) (gal/ft x water column) 6.40 couum pump, ther ± 10% if > 0.5 Dissolved Oxygen	0.75" = 0.023 g 1" = 0.041 gal, 1.5" = 0.092 ga 2" = 0.163 gal, 3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal,	gal/ft /ft al/ft /ft /ft /ft /ft /ft /ft /ft /ft
Date T 04/30/2024 1: Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 13:52 1	Time 13:25 ata Disposal 13 mulative e Volume gal 6.5 13.0	Depth to Bottom (ft) DTB 45.00 ble Bailer :30 Flowrate	Product (ft) DTP Purge/Sampling inertia pump, de ideally < 0.3 ft drawdown Water Level	Methods: perista edicated pump, dis ± 0.1 pH SU 7.29 7.39	Thickness (ft) DTW - DTP Itic pump, submersposable bailer, ± 3% Temperature degrees C 14.1 15.0	(ft) DTB - DTW 39.25 mersible pump, va bladder pump, o ± 3% Conductivity uS/cm 426.5 562.4	Volume (gal) (gal/ft x water column) 6.40 cuum pump, ther ± 10% if > 0.5 Dissolved Oxygen	1" = 0.041 gal, 1.5" = 0.092 gal, 2" = 0.163 gal, 3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal, ± 10	/ft al/ft /ft /ft /ft /ft /ft /ft /ft <5 or ± 10% if > 5 TDS ppm 225.9 298.8
Date T 04/30/2024 1: Water Quality Da Purge Method Purge Start Time Time 13:40 13:52 1	Time 13:25 ata Disposal 13 mulative e Volume gal 6.5 13.0	Depth to Bottom (ft) DTB 45.00 ble Bailer :30 Flowrate	Product (ft) DTP Purge/Sampling inertia pump, de ideally < 0.3 ft drawdown Water Level	Methods: perista edicated pump, dis ± 0.1 pH SU 7.29 7.39	Thickness (ft) DTW - DTP Itic pump, submersposable bailer, ± 3% Temperature degrees C 14.1 15.0	(ft) DTB - DTW 39.25 mersible pump, va bladder pump, o ± 3% Conductivity uS/cm 426.5 562.4	Volume (gal) (gal/ft x water column) 6.40 cuum pump, ther ± 10% if > 0.5 Dissolved Oxygen	1" = 0.041 gal, 1.5" = 0.092 gal, 2" = 0.163 gal, 3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal, ± 10	/ft al/ft /ft /ft /ft /ft /ft /ft /ft <5 or ± 10% if > 5 TDS ppm 225.9 298.8
Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 13:52 1	Disposal 13 mulative e Volume gal 6.5 13.0	45.00 ble Bailer :30 Flowrate	Purge/Sampling inertia pump, de ideally < 0.3 ft drawdown Water Level	5.75 Methods: perista cdicated pump, dis t 0.1 pH SU 7.29 7.39	tic pump, subm sposable bailer, ± 3% Temperature degrees C 14.1 15.0	39.25 mersible pump, va bladder pump, o ± 3% Conductivity uS/cm 426.5 562.4	column) 6.40 couum pump, ther ± 10% if > 0.5 Dissolved Oxygen	2" = 0.163 gal, 3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal, ± 10	/ft /ft /ft /ft /ft /ft < 5 or ± 10% if > 5 TDS ppm 225.9
Water Quality Da Purge Method Purge Start Time Cum Purge 13:40 13:52 1	Disposal 13 mulative e Volume gal 6.5 13.0	ole Bailer :30 Flowrate	inertia pump, de ideally < 0.3 ft drawdown Water Level	Methods: perista cdicated pump, dis t 0.1 pH SU 7.29 7.39	± 3% Temperature degrees C 14.1 15.0	t 3% Conductivity uS/cm 426.5 562.4	ther ± 10% if > 0.5 Dissolved Oxygen	3" = 0.367 gal, 4" = 0.653 gal, 6" = 1.469 gal, 8" = 2.611 gal, ± 10 ORP	/ft /ft /ft /ft /ft < 5 or ± 10% if > 5 TDS ppm 225.9
Purge Method Purge Start Fime Cum Purge 13:40 13:52 1	Disposaling 13 mulative e Volume gal 6.5 13.0	:30	inertia pump, de ideally < 0.3 ft drawdown Water Level	# dicated pump, dis # 0.1 pH SU 7.29 7.39	± 3% Temperature degrees C 14.1 15.0	# 3% Conductivity ## 426.5 562.4	± 10% if > 0.5 Dissolved Oxygen	6" = 1.469 gal, 8" = 2.611 gal, ± 10 ORP	/ft /ft /ft < 5 or ± 10% if > 5 TDS ppm 225.9 298.8
Purge Start Fime Cum Purge 13:40 13:52 1	13 mulative e Volume gal 6.5	:30	inertia pump, de ideally < 0.3 ft drawdown Water Level	# dicated pump, dis # 0.1 pH SU 7.29 7.39	± 3% Temperature degrees C 14.1 15.0	# 3% Conductivity ## 426.5 562.4	± 10% if > 0.5 Dissolved Oxygen	8" = 2.611 gal, ± 10 ORP	/ft
Time Cum Purge 13:40 13:52 1	e Volume gal 6.5	Flowrate	ideally < 0.3 ft drawdown Water Level	± 0.1 pH su 7.29 7.39	± 3% Temperature degrees C 14.1 15.0	± 3% Conductivity uS/cm 426.5 562.4	± 10% if > 0.5 Dissolved Oxygen	ORP	± 10% if > 5 TDS ppm 225.9 298.8
Time Purge 13:40 13:52 1	e Volume gal 6.5			su 7.29 7.39	degrees C 14.1 15.0	us/cm 426.5 562.4	Oxygen	_	ppm 225.9 298.8
13:40 (13:52 1	gal 6.5 13.0	L/min	ft	7.29 7.39	14.1 15.0	426.5 562.4		mV	225.9 298.8
13:52 1	13.0			7.39	15.0	562.4			298.8
14:05 1	19.5			7.46	14.9	565.6			311.6
Last row of water quali	lity data ar	re considered fin	nal field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	Disposable Bailer		
Observations (clarity, tint, clear	r; colorles	r.c				Sample Name	93-8-0424		
odor, sheen,	i , coloi les	 				Sample Date	04/30/2024	Sample Time	14:05
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containe
General Commen	nts					VOA			
						Amber glass	None	N	2
-plug not on well u				_		Poly			
through purging, wa end.	vater turn	ed clear and o	coioriess. J-pluį	g was placed ba	ack on at the				
								No. Containers:	2



Project Info	rmation								
Projec	t No.	Client	Name	Project	Name	Samplii	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ation								
Location ID	Well	I Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
P-2D	Moni	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
Date	Time	Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 1" = 0.041 gal	
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water column)	1.5" = 0.092 g 2" = 0.163 gal	
04/30/2024	8:35	35.30		6.01		29.29	4.77	3" = 0.367 gal,	-
Water Quali	ty Data							4" = 0.653 gal,	-
Purge Method	Disposa	ble Bailer		Methods: perista				6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start		inertia pump, dedicated pump, disposable bailer, bladder pump, other ideally < 0.3 ft drawdown + 0.1 + 2% + 2% + 10% if >					tner	3.,	< 5 or
Time		:40	drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	pН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
8:52	5.0			7.74	14.3	553.4			293.1
9:02	10.0			7.21	14.4	542.6			284.6
9:12	15.0			7.33	14.7	534.7			280.9
Last row of wate	er quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	Disposable Bailer		
Observations						Sample Name		P-2D-0424	
(clarity, tint, odor, sheen,	clear; colorle	:55				Sample Date	04/30/2024	Sample Time	9:12
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Con	nments					VOA		, , , , , ,	
						Amber glass	None	N	2
						Poly			
1									
								la Canta	2
							Total	No. Containers:	2



Project Infor	rmation								
Projec	t No.	Client	Name	Project	Name	Samplir	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ation								
Location ID	Wel	I Туре	Monum	ent Type	Depth Me	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
R-1	Mon	itoring	Stic	k-up					
Hydrology/L	evel Measu	rements							
		Depth to	Depth to	Depth to Water	Product	Water Column	Well Casing	0.75" = 0.023	
Date	Time	Bottom (ft)	Product (ft)	(ft)	Thickness (ft)		Volume (gal) (gal/ft x water	1" = 0.041 gal,	•
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	column)	1.5" = 0.092 ga 2" = 0.163 gal,	
								3" = 0.367 gal,	
Nater Quali	ty Data							4" = 0.653 gal,	•
Purge Method	Dedicat	ed Pump		-		nersible pump, va		6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start			inertia pump, de ideally < 0.3 ft	dicated pump, di	sposable bailer,	. bladder pump, o	ther	8 - 2.011 gui,	< 5 or
Time			drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ppm
17:35				7.36	16.0	490.9			260.4
									_
ast row of wate	L er quality data a	re considered fin	al field paramete	rs unless otherwi	se noted.	Sample Info	rmation		
Water Quality			· ·			Sampling Method		Dedicated Pum	р
Observations (clarity, tint,	clear; colorle	966				Sample Name	R-1-0	424 & R-1-042	4-DUP
odor, sheen,	5.547, 6010116					Sample Date	04/29/2024	Sample Time	17:35
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containe
General Con	nments					VOA			
Danie III	- 11					Amber glass	None	N	4
Recovery We Pump Runnii	ell ng Continuou	sly.				Poly			
Samples at n	nanifold in gro	oundwater tre	atment shed.						
DUP collecte	a here.								
							Total N	No. Containers:	4



Project Infor								1	
Project	: No.	Client	Name	Project	Name	Samplir	ng Event	Samp	oler(s)
M0022.0	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ition								
Location ID	Well	Туре	Monum	ent Type	Depth Measuring Point		Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
R-2	Moni	toring	Stic	k-up					
Hydrology/L	evel Measu	rements							
		Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 (
Date	Time	DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water	1" = 0.041 gal, 1.5" = 0.092 ga	al/ft
							column)	2" = 0.163 gal, 3" = 0.367 gal,	
Water Qualit	v Data							3 = 0.367 gal, 4" = 0.653 gal,	
	-	a al Divina ia	Purge/Sampling	Methods: perista	ltic pump, subn	nersible pump, va	cuum pump,	6" = 1.469 gal,	•
Purge Method	Dedicat	ed Pump	inertia pump, de ideally < 0.3 ft	dicated pump, di	sposable bailer,	bladder pump, o	ther	8" = 2.611 gal,	/ft < 5 or
Purge Start Time			drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
17:50				7.36	16.0	494.2			262.4
Last row of wate	r quality data a	re considered fin	al field paramete	rs unless otherwi	se noted.	Sample Info			
Water Quality						Sampling Method	[Dedicated Pum	р
Observations						Sample Name		R-2-0424	
(clarity, tint, odor, sheen,	clear; colorle	SS				Sample Date	04/29/2024	Sample Time	17:50
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Container
General Com	ments					VOA		(1/N)	
						Amber glass	None	N	6
- Recovery We	II					Poly			
- Pump Runnir	g Continuou					, , , , , , , , , , , , , , , , , , ,			
- Samples at m	_	oundwater tre collected here							
- Extra volume	TOT IVIS/IVISD	conected nere	=			1	I	I	



Project Infor	mation								
Projec		Client	Name	Project	Name	Samplir	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	April	2024	C. Sch	weitzer
Well Informa	ation								
Location ID	Wel	Туре	Monum	ent Type	Depth Me	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
R-3	Mon	itoring	Stic	k-up					
Hydrology/L	evel Measu	rements							
Date	Time	Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 1" = 0.041 gal	
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water column)	1.5" = 0.092 g 2" = 0.163 gal,	
								3" = 0.367 gal,	•
Water Quali	ty Data		la /a //		1.1	9.1		4" = 0.653 gal, 6" = 1.469 gal,	•
Purge Method	Dedicat	ed Pump				pump, submersible pump, vacuum pump, sable bailer, bladder pump, other 6" = 1.469 gal/ft 8" = 2.611 gal/ft			
Purge Start Time	17	':05	ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	ррт	
18:05				7.54	15.5	430.8		228.7	
Last row of wate	r quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	Dedicated Pump		
Observations	clear; colorle					Sample Name		R-3-0424	
odor, sheen,	ciear; colorie	33				Sample Date	04/29/2024	Sample Time	18:05
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Com	nments					VOA			
						Amber glass	None	N	4
- Recovery We						Poly			
		; Sampled at 18 oundwater tre							
- Split sample	_		a americ sileu.						
							Total No. Containers:		

WELL GAUGING LOG

PROJECT: Stella-Jones Corporation - Eugene, OR

PROJECT NO: M0022.04.002

GAUGED BY: Cody Schweitzer and (Stella-Jones site personnel)

Well ID	Date	Time	DTW	DTP	Comments	Measured by MFA	Measured by Stella-Jones
AGI-1	4/29/2024	10:40	3.60			✓	
AGI-2	4/29/2024	11:00	8.14			✓	
AGI-4S							✓
AGI-4N							✓
AGI-6							✓
AGI-8	4/29/2024	11:18	5.56			✓	
90-1S							✓
90-1D							✓
90-2							✓
90-3							✓
90-4	4/29/2024	11:44	4.30			✓	
90-5	4/29/2024	10:46	5.78			✓	
91-6							✓
92-8	4/29/2024	12:01	5.30			✓	
92-9							✓
92-9B							✓
92-10	4/29/2024	11:56	6.00			✓	
92-11	4/29/2024	12:14	7.09			✓	
93-1A							✓
93-1B							✓
93-2	4/29/2024	11:47	7.57			✓	
93-3	4/29/2024	11:39	8.13			✓	
96-2							✓
96-3							✓
P-1S							✓
P-2S	4/29/2024	10:52	5.70	-		✓	
R-1							✓
R-2							✓
R-3							✓
R-4							✓
R-5							✓
MT-1							✓
MT-2							✓
MT-3							✓
MT-4							✓
North Pond							✓

Notes:

DTW = depth to water DTP = depth to product -- = not applicable

DATE			04/29/24	
AGI-4 N	Boiler	DTW	8.43	
AGI-4S		DTW	8.12	
90-2	Ditch	DTW	1.95	
91-6	Pond	DTW	3.63	
92-9	R4	DTW	4.38	
IORTH POND			5.89	
DATE				
R-1		DTO	5.40	
		DTW	7.45	
R-2		DTO	19.71	
		DTW	20.80	
R-3	Seneca	DTO		
		DTW	4.93	
R-5	Retort	DTO	6.81	
		DTW	13.52	
AGI-6	R1	DTO	7.85	
		DTW	7.86	
DATE				
90-15	GWTS	DTW	5.73	
90-1D	GWTS	DTW	6.91	
93-1A	FIELD	DTW	5.10	
93-1B	FIELD	DTW	6.42	
96-2		DTO	5.76	
		DTW	6.20	
96-3		DTO	6.60	
DATE		DTW	6.67	
MT-1	Gate	DTO	<u> </u>	
141 1 - 1	Gale		6.44	
MT-2		DTO	6.43	
IVI I -Z		DTW	8.08	
MT-3	Broozway	DTW	6.7	
IVI I -3	Breezway	DTW		
MT-4	Pit	DTW	9.95 4.23	
IVI I -4	PIL	DTO	4.23	

	DTW	7.35	
90-3	DTW	1.95	
P-1S	DTW	5.94	



Modification Clear Name Sampler (s) September 2024 Stella-Jones 3244 Remediation Monitoring September 2024 KFC	Project Infor	rmation								
Well Information Decation D	-		Client	Name	Project	Name	Samplin	ng Event	Samp	oler(s)
Docation Docation Docation Docation Docation Docation Docation Docation Docation Stick-up Top of Casing 2.0 (ft) (ft)	M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septeml	per 2024	К	FC
Monitoring Stick-up Top of Casing 2.0 Top of Casing 2.	Well Informa	ation			•					
Pure	Location ID	Wel	Туре	Monum	ent Type	Depth Mea	asuring Point			Sample Depth (ft)
Date Time Depth to Depth	90-1D	Mon	itoring	Stic	k-up	Тор о	f Casing	2.0		
Date Time Bettom (ft) Product (ft) (ft) Thickness (ft) (ft) Volume (sal) (300/ft xwoter column) 12 = 0.041 you/ft 15 = 0.002 you/ft 2" = 0.163 you/ft 3" = 0.653	Hydrology/L	evel Measu	rements	ı					ı	
DTB			Depth to	•				_		
09/16/2024 15:12 63.80 12.93 50.87 8.29 3" = 0.367 gul/!s 3" = 0.367 gul/!s 3" = 0.367 gul/!s 4" = 0.653 g	Date	Time								-
			DIB	DIP	DIW	DIW - DIP	DIB - DIW	column)	_	
Purge Method Disposable Bailer Purge/Sampling Methods: peristotic pump, submersible pump, vacuum pump, inertia pump deticoted pump, disposable bailer, bladder pump, order 15:22 display (4.3)	09/16/2024	15:12	63.80		12.93		50.87	8.29	3" = 0.367 gal,	/ft
Disposable Baller	Water Quali	ty Data								•
15:22	Purge Method	Disposa	ble Bailer		•					•
Time Cumulative Plowrate	Purge Start	15	:-22	ideally < 0.3 ft						< 5 or
Time Purse Volume Flowrate Mater Level p.H Temperature Conductivity Oxygen ORP TDS	Time		,. <u></u>	drawdown	± 0.1	± 3%		,	± 10	± 10% if > 5
15:47 8.5 13.20 7.75 15.8 342.4 189.5 16:03 17.0 12.98 7.43 15.0 321.8 178.4 16:20 25.5 12.93 7.36 14.9 314.9 175.1 Last row of water quality data are considered final field parameters unless otherwise noted. Last row of water quality data are considered final field parameters unless otherwise noted. Sample Information Sampling Method Sample Name 90-1D-0924 Sample Date 09/16/2024 Sample Time 16:25 Container Type Preservative Filtered (Y/N) Amber glass None N 2 Poly ————————————————————————————————————	Time		Flowrate	Water Level	рН	Temperature	Conductivity		ORP	TDS
16:03 17:0 12:98 7.43 15:0 321.8 178.4 16:20 25.5 12:93 7.36 14:9 314.9 175.1 Last row of water quality data are considered final field parameters unless otherwise noted. Water Quality Disposable Bailer Method Sample Name 90-1D-0924 Sample Date 09/16/2024 Sample Time 16:25 Container Type Preservative Filtered (Y/N) Amber glass None N 2 Poly ————————————————————————————————————		gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
16:20 25.5 12.93 7.36 14.9 314.9 175.1 16:20 25.5 12.93 7.36 14.9 314.9 175.1 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 314.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 175.1 18.20 25.5 12.93 7.36 14.9 14.9 175.1 18.20 25.5 12.93 7.36 14.9 14.9 14.9 14.9 14.9 14.9 14.9 14.9	15:47	8.5		13.20	7.75	15.8	342.4			189.5
Aust row of water quality data are considered final field parameters unless otherwise noted. Water Quality Observations clearly, tint, obdor, sheen, etc.) Clear, colorless. Clear, colorless. Clear, colorless. Clear, colorless. Clear, colorless. Container Type Preservative VOA Amber glass None N 2 Poly Poly Container Type Preservative No. Container Amber glass None N 2 Poly Container Company C	16:03	17.0		12.98	7.43	15.0	321.8			178.4
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2	16:20	16:20 25.5		12.93	7.36	14.9	314.9			175.1
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2										
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2										
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2										
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2										
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2										
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2										
Water Quality Observations (clear, colorless. Clear, colorless. Container Type Preservative Filtered (Y/N) No. Container Type Preservative Preservative (Y/N) No. Container Type Preservative Poly Amber glass None N 2 Poly Poly Container Type Preservative No. Container Type Preservative Poly Amber glass None N 2	Last row of water	or avality data a	ra cancidarad fir	al field paramete	ors unless otherwi	so noted	Cample Info	rmation		
Clear, colorless. Container Type Preservative (Y/N) No. Containe WOA Amber glass None N 2 Poly P		er quanty aata a	re considered jiii	ai jiela paramete	ers uniess otherwi	se notea.	Sampling Disposable Bailer			er
Sample Date 09/16/2024 Sample Time 16:25 Container Type Preservative (Y/N) No. Containe WOA Amber glass None N 2 Poly	Observations								90-1D-0924	
Container Type Preservative (Y/N) No. Containe WOA Amber glass None N 2 Poly	odor, sheen,	clear, colorle	:55.				Sample Date	09/16/2024	•	16:25
General Comments VOA Amber glass None N 2 Poly	etc.)						Container Type	Preservative		No. Container
Poly Poly	General Con	nments					VOA			
							Amber glass	None	N	2
Total No. Containers: 2							Poly			
Total No. Containers: 2										
								Total N	lo. Containers:	2



Project Infor	mation								
Projec		Client	Name	Project	Name	Samplir	ng Event	Samp	oler(s)
M0022.0	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septeml	per 2024	KI	-C
Well Informa	ation								
Location ID	Wel	I Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
92-9	Mon	itoring	Stic	k-up	Top o	f Casing	2.0		
Hydrology/L	evel Measu	rements							
Date	Time	Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 g 1" = 0.041 gal	
5.00		DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water column)	1.5" = 0.092 g 2" = 0.163 gal	
09/17/2024	11:38	29.40		10.82		18.58	3.03	3" = 0.367 gal,	•
Water Quali	ty Data							4" = 0.653 gal,	
Purge Method	Disposa	ble Bailer		Methods: perista edicated pump, di				6" = 1.469 gal, 8" = 2.611 gal,	-
Purge Start Time	11	L:37	ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
12:45	3.10		10.81	7.71	14.5	257.4			142.7
12:52	6.20		10.82	7.33	14.2	235.7			130.7
12:59	9.30		10.81	7.30	14.1	234.2			130.1
Last row of wate	er quality data a	l ure considered fin	al field naramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality	quanty auta a	ne considered jiii	a. y.e.a paramete			Sampling Method		Disposable Baile	er
Observations						Sample Name		92-9-0924	
(clarity, tint, odor, sheen,	Clear, colorle	ess.				Sample Date	09/17/2024	Sample Time	13:00
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Container
General Com	nments					VOA		(-,,-,)	
						Amber glass	None	N	2
						Poly			
							Total N	No. Containers:	2



	NI -	CI: ·	Name	D!.	Nama	C !!	- F	C-	daw(a)
Project			Name	Project		•	g Event	•	oler(s)
M0022.0		Stella	-Jones	2024 Remediati	on Monitoirng	Septemb	oer 2024	KI	FC
Well Informa	ition						Mall Diamatan	C	Sample Depti
Location ID	Well	Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	(ft)
93-1A	Moni	Monitoring Stick-up Top of Casing 2.0		2.0					
Hydrology/Lo	evel Measu								
		Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal)	0.75" = 0.023 g 1" = 0.041 gal	
Date	Time	DTB	DTP	DTW	DTW - DTP	DTB - DTW	(gal/ft x water column)	1.5" = 0.092 g	al/ft
09/17/2024	9:06	34.50		11.50		23.00	3.75	2" = 0.163 gal, 3" = 0.367 gal,	-
Water Qualit	ty Data							4" = 0.653 gal,	-
Purge Method	-	ble Bailer		Methods: perista				6" = 1.469 gal,	•
Purge Start	·		inertia pump, de ideally < 0.3 ft	dicated pump, dis	sposable bailer,	bladder pump, o	ther	8" = 2.611 gal,	/jt < 5 or
Time		:07	drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	pH	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
9:17	3.8		11.49	7.77	13.6	213.8			119.4
9:28	7.6		11.51	7.72	13.6	212.4			117.8
9:35	11.4		11.50	7.69	13.5	210.7			116.9
ast row of water	r quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
						Sampling		Disposable Baile	er
Water Quality Observations						Method Sample Name		93-1A-0924	
(clarity, tint, odor, sheen,	Clear, colorle	ess.				Sample Date	09/17/2024	Sample Time	9:39
etc.)						Container Type	Preservative	Filtered	No. Containe
General Com	ments					VOA	110001100110	(Y/N)	
						Amber glass	None	N	2
						Poly			



Project Info	rmation								
Projec		Client	Name	Project	Name	Samplii	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septem	ber 2024	KI	FC
Well Informa	ation								
Location ID	Wel	I Туре	Monum	ent Type	Depth Measuring Point Well Diame		Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
93-3	Mon	itoring	Sticl	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
		Depth to	Depth to	Depth to Water		Water Column	Well Casing	0.75" = 0.023 (
Date	Time	Bottom (ft) DTB	Product (ft) DTP	(ft) DTW	Thickness (ft) DTW - DTP	(ft) DTB - DTW	Volume (gal) (gal/ft x water	1" = 0.041 gal, 1.5" = 0.092 ga	•
			DIP		DIW-DIP	DIB-DIW	column)	2" = 0.163 gal	
09/16/2024	18:10	39.50		14.21		25.29	4.12	3" = 0.367 gal	•
Water Quali	ty Data		Duras/Camplina	Mothods: paristo	ultic numn cuhn	nersible pump, va	ICIUIM NUMN	4" = 0.653 gal, 6" = 1.469 gal,	•
Purge Method	Disposa	ble Bailer		•		, bladder pump, o		8" = 2.611 gal	•
Purge Start	18	3:13	ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
Time	Cumulative	Flowrate	Water Level	pH	Temperature	Conductivity	Dissolved	ORP	TDS
Time	Purge Volume	L/min		SU	degrees C	uS/cm	Oxygen mg//	mV	
10.25	gal	L/IIIIII	ft			,	mg/L	mv	106.7
18:25	4.2		14.27	7.57	14.2	190.4			106.7
18:35	8.4		14.23	7.27	14.0	190.2			105.4
18:45	12.6		14.25	6.89	14.0	190.8			105.6
Last row of wate	L er quality data a	re considered fin	al field paramete	rs unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	1	Disposable Baile	er
Observations						Sample Name		93-3-0924	
(clarity, tint, odor, sheen,	Colorless, slig	ght sheen, sligl	ntly cloudy.			Sample Date	09/16/2024	Sample Time	18:49
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Con	nments					VOA		, , , ,	
						Amber glass	None	N	2
						Poly			
							Total N	No. Containers:	2



Project Info	rmation								
Projec		Client	Name	Project	Name	Samplin	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septem	per 2024	К	FC
Well Informa	ation			<u>I</u>		<u>I</u>		<u> </u>	
Location ID	Wel	I Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
93-4	Mon	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
		Depth to	Depth to	Depth to Water	Product	Water Column	Well Casing	0.75" = 0.023	
Date	Time	Bottom (ft)	Product (ft)	(ft)	Thickness (ft)	(ft)	Volume (gal) (gal/ft x water	1" = 0.041 gal, 1.5" = 0.092 g	•
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	column)	2'' = 0.163 gal	
09/17/2024	10:05	75.00		13.02		61.98	10.10	3" = 0.367 gal,	•
Water Quali	ty Data							4" = 0.653 gal	•
Purge Method	Disposa	ble Bailer		Methods: perista				6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start			ideally < 0.3 ft	edicated pump, di	sposable baller,	, biaaaer pump, o	tner	8 - 2.011 gui,	< 5 or
Time	Clati		drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	pН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
10:29	10.2		13.00	7.72	13.0	239.9			133.3
11:03	20.4		13.01	7.53	12.9	239.4			132.7
11:32	30.6		13.01	7.59	13.0	239.4			132.8
-									
Last row of wate	er quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Method	[Disposable Baile	er
Observations						Sample Name		93-4-0924	
(clarity, tint, odor, sheen,	Clear, colorle	ess.				Sample Date	09/17/2024	Sample Time	11:35
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Con	nments					VOA		(1/14)	
						Amber glass	None	N	2
						Poly			
							Total N	lo. Containers:	2



Project Info	rmation								
Projec		Client	Name	Project	Name	Samplir	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septeml	per 2024	К	FC
Well Inform	ation			<u>I</u>					
Location ID	Wel	I Туре	Monum	Monument Type I Depth Measuring Point I		Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)	
93-8	Mon	itoring	Stic	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements	L					L	
		Depth to	Depth to	Depth to Water	Product	Water Column	Well Casing	0.75" = 0.023	
Date	Time	Bottom (ft)	Product (ft)	(ft)	Thickness (ft)	(ft)	Volume (gal) (gal/ft x water	1" = 0.041 gal, 1.5" = 0.092 g	•
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	column)	2'' = 0.163 gal	
09/17/2024	7:43	45.00		11.93		33.07	5.39	3" = 0.367 gal,	/ft
Water Quali	ty Data							4" = 0.653 gal,	•
Purge Method	Disposa	ble Bailer		Methods: perista edicated pump, di				6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start	7	:44	ideally < 0.3 ft						< 5 or
Time	Cumulative		drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5 Dissolved	± 10	± 10% if > 5
Time	Purge Volume	Flowrate	Water Level	pН	Temperature	Conductivity	Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
7:57	6.0		11.94	7.43	14.7	326.2			187.7
8:12	12.0		11.99	7.20	15.0	332.3			183.8
8:24	18.0		12.00	7.32	15.1	328.4			182.1
Last row of wate	er quality data a	re considered fir	al field naramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality		re considered jii	ar freia paramete	ns amess senerwi	oc notes.	Sampling Method	ı	Disposable Bail	er
Observations	Clear colorie	200				Sample Name		93-8-0924	
(clarity, tint, odor, sheen,	Clear, colorle	:55.				Sample Date	09/17/2024	Sample Time	8:26
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Container
General Con	nments					VOA			
						Amber glass	None	N	2
						Poly			
Water in mon	ument above	J-plug; appea	red sealed.						
							Total N	No. Containers:	2



Project Info	rmation								
Projec		Client	Name	Project	Name	Samplii	ng Event	Samp	oler(s)
M0022.	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septem	ber 2024	KI	FC
Well Informa	ation								
Location ID	Wel	Туре	Monum	ent Type	Depth Mea	pth Measuring Point Well Diamete		Screen Interval (ft)	Sample Depth (ft)
P2D	Mon	itoring	Sticl	k-up	Тор о	f Casing	2.0		
Hydrology/L	evel Measu	rements							
		Depth to	•	Depth to Water		Water Column	Well Casing	0.75" = 0.023 (
Date	Time	Bottom (ft) DTB	Product (ft) DTP	(ft) DTW	Thickness (ft) DTW - DTP	(ft) DTB - DTW	Volume (gal) (gal/ft x water	1" = 0.041 gal, 1.5" = 0.092 ga	•
			DIP		DIW-DIP		column)	2" = 0.163 gal	
09/16/2024	16:53	35.30		12.40		22.90	3.73	3" = 0.367 gal	•
Water Quali	ty Data		Duras/Camplina	Mathada parista	ultic numn cuhn	nersible pump, va	ICILIIM DIIMB	4" = 0.653 gal, 6" = 1.469 gal,	•
Purge Method	Disposa	ble Bailer		•		, bladder pump, o		8" = 2.611 gal	•
Purge Start	16	5:54	ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
Time	Cumulative	Flowrate	Water Level	pH	Temperature	Conductivity	Dissolved	ORP	TDS
Time	Purge Volume			SU	•	uS/cm	Oxygen		
17.04	gal	L/min	ft 22.52		degrees C	, .	mg/L	mV	ppm
17:04	3.8		22.53	7.53	15.5	323.2			178.3
17:18	7.6		26.06	7.29	15.5	310.6			173.1
17:31	11.4		26.48	7.36	15.4	307.7			170.7
Last row of wate	L er quality data a	re considered fin	al field paramete	rs unless otherwi	se noted.	Sample Info	rmation		
Water Quality			, ,			Sampling Method	1	Disposable Baile	er
Observations						Sample Name		P-2D-0924	
(clarity, tint, odor, sheen,	Clear, colorle	ess.				Sample Date	09/16/2024	Sample Time	17:33
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Con	nments					VOA		(1/14)	
						Amber glass	None	N	2
						Poly			
							Total N	No. Containers:	2



Project Infor	mation								
Project		Client	Name	Project	Name	Samplin	ng Event	Samp	oler(s)
M0022.0	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septem	ber 2024	KI	-C
Well Informa	tion								
Location ID	Wel	Туре	Monum	ent Type	Depth Me	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
R-1	Moni	itoring	Sticl	k-up					
Hydrology/Le	evel Measu	rements							
Date	Time	Depth to Bottom (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Water Column (ft)	Well Casing Volume (gal) (gal/ft x water	0.75" = 0.023 <u>(</u> 1" = 0.041 gal,	/ft
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	column)	1.5" = 0.092 go 2" = 0.163 gal,	
								3" = 0.367 gal,	•
Water Qualit	-		Purae/Samplina	Methods: neristo	ltic numn, suhr	nersible pump, va	ісиит питп	4" = 0.653 gal, 6" = 1.469 gal,	•
Purge Method	Dedicat	ed Pump	inertia pump, de	•		bladder pump, o		8" = 2.611 gal,	/ft
Purge Start Time			ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
13:47				7.38	15.9	301.9			167.5
Last row of water	quality data a	re considered fin	al field paramete	rs unless otherwi	se noted.	Sample Info			
Water Quality						Method		Dedicated Pum	р
Observations (clarity, tint,	Clear, colorle	966				Sample Name	R1-0	0924; R1-0924-	DUP
odor, sheen,	cicai, cololle					Sample Date	09/17/2024	Sample Time	13:50
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Com	ments					VOA			
						Amber glass	None	N	4
- Pump Runnin	g Continuou	slv.				Poly			
- Sampled at m	-		atment shed.						
- DUP collected	_								
							Total N	lo. Containers:	4
							Total N	o. Containers.	4



Project Infor	mation								
Project		Client	Name	Project	Name	Samplin	ng Event	Samp	ler(s)
M0022.0	04.002	Stella	-Jones	2024 Remediati	on Monitoirng	Septem	ber 2024	K	-C
Well Informa	ation								
Location ID	Wel	Туре	Monum	ent Type	Depth Mea	asuring Point	Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)
R-2	Moni	toring	Stic	k-up					
Hydrology/L	evel Measu								
Date	Time	Depth to Bottom (ft) DTB	Depth to Product (ft) DTP	Depth to Water (ft)	Product Thickness (ft) DTW - DTP	Water Column (ft) DTB - DTW	Well Casing Volume (gal) (gal/ft x water	0.75" = 0.023 (1" = 0.041 gal, 1.5" = 0.092 g	/ft
				2.7.1		2.2 2.11	column)	2" = 0.163 gal, 3" = 0.367 gal,	•
Water Qualit	ty Data							4" = 0.653 gal,	•
Purge Method	Dedicat	ed Pump		•		mersible pump, va , bladder pump, o		6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start Time			ideally < 0.3 ft drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	< 5 or ± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	рН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ppm
13:36				7.18	16.0	298.8			165.6
Last row of wate	r quality data a	re considered fin	al field paramete	ers unless otherwi	se noted.	Sample Info	rmation		
Water Quality						Sampling Method	1	Dedicated Pum	р
Observations (clarity, tint,	clear; colorle	cc				Sample Name		R2-0924	
odor, sheen,	clear, colorie	.33				Sample Date	09/17/2024	Sample Time	13:38
etc.)						Container Type	Preservative	Filtered (Y/N)	No. Containers
General Com	nments					VOA			
						Amber glass	None	N	6
- Pump Runnir	-	sly. oundwater tre	atment shed			Poly			
		collected here							
							Total N	lo. Containers:	6



Project Infor	mation								
Projec	t No.	Client	Name	Project	Name	Samplii	ng Event	Samp	ler(s)
M0022.	04.002	Stella	-Jones	2024 Remediat	ion Monitoirng	Septem	ber 2024	KI	-C
Well Informa	ation					•			
Location ID	Wel	Туре	Monument Type Depth Measuring Point Well Diameter (in)		Well Diameter (in)	Screen Interval (ft)	Sample Depth (ft)		
R-3	Mon	toring	Sticl	k-up					
Hydrology/L	evel Measu	rements							
		Depth to	Depth to	Depth to Water		Water Column	Well Casing	0.75" = 0.023	
Date	Time	Bottom (ft)	Product (ft)	(ft)	Thickness (ft)		Volume (gal) (gal/ft x water	1" = 0.041 gal, 1.5" = 0.092 ga	•
		DTB	DTP	DTW	DTW - DTP	DTB - DTW	column)	2" = 0.163 gal	
								3" = 0.367 gal,	•
Nater Quali	ty Data							4" = 0.653 gal,	•
urge Method	Dedicat	ed Pump		•		nersible pump, va		6" = 1.469 gal, 8" = 2.611 gal,	•
Purge Start	4.7		ideally < 0.3 ft	dicated pump, di	sposable bailer,	, bladder pump, o	ther	8 – 2.011 yui,	< 5 or
Гime		!:11	drawdown	± 0.1	± 3%	± 3%	± 10% if > 0.5	± 10	± 10% if > 5
Time	Cumulative Purge Volume	Flowrate	Water Level	pН	Temperature	Conductivity	Dissolved Oxygen	ORP	TDS
	gal	L/min	ft	SU	degrees C	uS/cm	mg/L	mV	ррт
13:53				7.01	23.6	292.3			160.7
						1			
						<u> </u>			
						<u> </u>			
						1			
						<u> </u>			
ast row of wate	er quality data a	re considered fin	al field paramete	rs unless otherw	ise noted.	Sample Info	rmation		
Water Quality						Method	[Dedicated Pum	р
Observations						Sample Name		R3-0924	
clarity, tint,	Clear, colorle	ess.				Samula Data	09/17/2024	Comulo Timo	12.57
odor, sheen, etc.)						Sample Date	09/17/2024	Sample Time Filtered	13:57
: ((.)						Container Type	Preservative	(Y/N)	No. Containe
General Com	nments					VOA			
						Amber glass	None	N	5
· Turned numi	p on at 12:11	; Sampled at 1	3:57.						
		oundwater tre				Poly			
Split sample	_								
Field blank at									
							-	lo. Containers:	5

WELL GAUGING LOG

PROJECT: Stella-Jones Corporation - Eugene, OR

PROJECT NO:

GAUGED BY: Kieron Crossley and (Stella-Jones site personnel)

Well ID	Date	Time	DTW	DTP	Comments	Measured by MFA	Measured by Stella-Jones
AGI-1	9/16/2024	12:57	6.15		NA	✓	
AGI-2	9/16/2024	13:12	14.22			✓	
AGI-4S		-					✓
AGI-4N							✓
AGI-6							✓
AGI-8	9/16/2024	13:10	13.30		Water in monument	✓	
90-1S							✓
90-1D							✓
90-2							✓
90-3							✓
90-4	9/16/2024	13:28	10.50			✓	
90-5	9/16/2024	13:03	13.68			✓	
91-6							✓
92-8	9/16/2024	14:14	11.73			✓	
92-9							✓
92-9B							✓
92-10	9/16/2024	13:53	12.49	-		✓	
92-11	9/16/2024	14:29	13.54	-		✓	
93-1A							✓
93-1B							✓
93-2	9/16/2024	13:39	13.63	-		✓	
93-3	9/16/2024	13:34	14.19			✓	
96-2							✓
96-3							✓
P-1S	9/16/2024	13:23	12.11				✓
P-2S	9/16/2024	13:17	11.65	-	Water in monument	✓	
R-1							✓
R-2							✓
R-3							✓
R-4							✓
R-5							✓
MT-1							✓
MT-2							✓
MT-3	1						✓
MT-4							✓
North Pond							✓

Notes:

DTW = depth to water DTP = depth to product -- = not applicable

DATE			09/16/24
DATE			03/10/24
	Boiler	DTW	14.55
_		DTW	
AGI-4S		DTW	14.24
90-2	Ditch	DTW	7.96
91-6	Pond	DTW	10.06
92-9	R4	DTW	10.81
NORTH PON	ID		0.00
DATE			
R-1		DTO	11.40
		DTW	11.80
R-2		DTO	
		DTW	28.00
R-3	Seneca	DTO	
		DTW	11.09
R-5	Retort	DTO	13.52
		DTW	14.35
AGI-6	R1	DTO	
		DTW	14.11
DATE			
90-15	GWTS	DTW	11.38
90-1D	GWTS	DTW	12.96
93-1A	FIELD	DTW	11.50
93-1B	FIELD	DTW	12.38
96-2		DTO	11.74
		DTW	12.73
96-3		DTO	12.74
		DTW	12.88
DATE			
MT-1	Gate	DTO	
		DTW	12.5
MT-2		DTO	12.6
		DTW	13.11
MT-3	Breezway	DTO	13.05
		DTW	14.17
MT-4	Pit	DTO	10.62
		DTW	11.62

90-3	DTW	7.67
P-1S	DTW	12.13

Attachment B

Laboratory Reports and Data Validation Memoranda





27 February 2024

Cody Schweitzer Maul, Foster & Alongi, Inc. 2001 NW 19th Avenue, Suite 200 Portland, WA 97209

RE: McFarland Cascade Pole and Lumber Company - Eugene (22588.000)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)

24A0650

Associated SDG ID(s)
N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

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.

Kelly Bottem, Client Services Manager

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 2490650	Turn-around	Requested:			Page:	l	of	1		Analytic	cal Resources, LLC
ARI Client Company: MFA		Phone:			Date:		Ice Prese	ent?		4611 Sc	cal Chemists and Consultants buth 134th Place, Suite 100
Client Contact: Cody S	chwei	tzer			No. of Coolers:		Coole Temp	er os:			, WA 98168 5-6200 206-695-6201 (fax)
Client Project Name: MCPLC								Analysis I	Requested		Notes/Comments
Client Project #: M 9081. 03.016	Samplers:	ssa Sa	ndova	1	8041 PCP						a *
Sample ID	Date	Time	Matrix	No. Containers	, Q					-	
SOUTHPOND-0124	1/29/24	1030	W	2	×						-
NORTHPOND-0124	1/29/24	0945	W	2	X						
											=
19											1 200
			1	4							
Comments/Special Instructions Email results to:	Relinquished by: (Signature)	messa	undere	Received by: (Signature)	Potito	2 Day	2 1	Relinquished (Signature)	by:	 Received by: (Signature)	
cschweitzer@ mavifoster.com	Printed Name:		doval	Printed Name:	the	s Dan	N	Printed Name	э:	Printed Name	e:
cjohnson@ navitoster.com	PBS			Company:	nce	,		Company:		Company:	
mbenzinger@ maulfoster.com	Date & Time: 129/2	24 11	00	Date & Time:	130/7	4 10	7	Date & Time:		 Date & Time:	
	0				/		-				

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or cosigned agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.



Maul, Foster & Alongi, Inc.

Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SOUTHPOND-0124	24A0650-01	Water	29-Jan-2024 10:30	30-Jan-2024 10:17
NORTHPOND-0124	24A0650-02	Water	29-Jan-2024 09:45	30-Jan-2024 10:17



Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

Work Order Case Narrative

Chlorinated Phenols - EPA Method SW8041A

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.



Cooler Receipt Form

ARIONAL MEA		MCPIC	-Floren	0	
ARI Client:		Project Name:	Cagen		-
COC No(s):	10650 (NA)	Delivered by: Fed-Ex UPS Couri	ier Hand Delivered	706	-
Preliminary Examination Phase:		Tracking No			NΑ
		:	VEC		10
Were intact, properly signed and d			YES	5	10
Were custody papers included with			YES) N	10
Were custody papers properly fille			YES	N	10
Temperature of Cooler(s) (°C) (rec	commended 2.0-6.0 °C for chemis	try) 4 10c			
Time / /		1 61	=		
If cooler temperature is out of com	pliance fill out form 00070F		Temp Gun ID#:	0979	_
Cooler Accepted by:]	Date: 01/30/74 Time:	1017	>	
a water to be a second	Complete custody forms and	d attach all shipping documents	8		
Log-In Phase:					
	ed in the cooler?	-		YES	NO
ATTENDED TO A STATE OF A STATE OF STATE	AND THE PARTY OF T	Wet Ice Gel Packs Baggies Foam			
	oriate)?		NA	YES	NO
Control of the Contro	ic bags?		Individually	Grouped	Not
	dition (unbroken)?			YES	NO
Fig. Collection (Collection) — Collection (Collection) (nd legible?			YES	NO
		er of containers received?	9	YES	NO
				YES	NO
	the requested analyses?			YES	NO
**************************************		ervation sheet, excluding VOCs)	NA	YES	NO
	bbles?		NA	YES	NO
	sent in each bottle?			YES	NO
Were the sample(s) split	at ARI		(NA)	E	
by ARI?	YES Date/Time:	Equipment:		Split by:	
h	- 1/20/	201 - 1111		R	
Samples Logged by:	Date:	<mark>ໃ</mark> ∮ Time: <u>ໃໄປ</u> La	bels checked by: _		-
	** Notity Project Manager o	f discrepancies or concerns **			
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample	ID on COC	
				=	
Additional Notes, Discrepancie	os & Posolutions:		1		
Additional Notes, Discrepance	zs, a nesolutions.				
By: Da	ate:				



Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

SOUTHPOND-0124 24A0650-01 (Water)

Phenols

 Method: EPA 8041A
 Sampled: 01/29/2024 10:30

 Instrument: ECD8 Analyst: JGR
 Analyzed: 02/23/2024 00:27

Sample Preparation: Preparation Method: EPA 3510C SepF Extract ID: 24A0650-01 A 01

Preparation Batch: BMB0077 Sample Size: 500 mL Prepared: 02/05/2024 Final Volume: 5 mL

Detection Reporting Analyte CAS Number Dilution Limit Limit Result Notes Pentachlorophenol 87-86-5 0.014 0.025 0.059 ug/L Surrogate: 2,4,6-Tribromophenol 10-181 % 58.5 % Surrogate: 2,4,6-Tribromophenol [2C] 10-181 % 59.7 %



Extract ID: 24A0650-02 A 01

Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

NORTHPOND-0124 24A0650-02 (Water)

Phenols

 Method: EPA 8041A
 Sampled: 01/29/2024 09:45

 Instrument: ECD8 Analyst: JGR
 Analyzed: 02/23/2024 00:45

Sample Preparation: Preparation Method: EPA 3510C SepF

Preparation Batch: BMB0077 Sample Size: 500 mL Prepared: 02/05/2024 Final Volume: 5 mL

Detection Reporting CAS Number Dilution Limit Units Analyte Limit Result Notes Pentachlorophenol 87-86-5 0.014 0.025 0.069 1 ug/L Surrogate: 2,4,6-Tribromophenol 10-181 % 49.0 % Surrogate: 2,4,6-Tribromophenol [2C] 10-181 % 48.4 %



Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMB0077 - EPA 8041A

Instrument: ECD8 Analyst: JGR

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMB0077-BLK1)				Prep	ared: 05-Feb	-2024 Ana	alyzed: 22-F	Feb-2024 23	:33		
Pentachlorophenol	ND	0.014	0.025	ug/L							U
Surrogate: 2,4,6-Tribromophenol	0.130			ug/L	0.250		51.9	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.135			ug/L	0.250		53.9	10-181			



Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMB0077 - EPA 8041A

Instrument: ECD8 Analyst: JGR

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BMB0077-BS1)				Prep	ared: 05-Feb	-2024 Ana	ılyzed: 22-I	Feb-2024 23	:51		
Pentachlorophenol [2C]	0.185	0.014	0.025	ug/L	0.250		73.8	36-159			
Surrogate: 2,4,6-Tribromophenol	0.114			ug/L	0.250		45.8	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.122			ug/L	0.250		48.9	10-181			



Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMB0077 - EPA 8041A

Instrument: ECD8 Analyst: JGR

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BMB0077-BSD1)				Prep	ared: 05-Feb	-2024 Ana	lyzed: 23-I	Feb-2024 00	:09		
Pentachlorophenol [2C]	0.192	0.014	0.025	ug/L	0.250		76.6	36-159	3.71	30	
Surrogate: 2,4,6-Tribromophenol	0.125			ug/L	0.250		49.9	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.124			ug/L	0.250		49.5	10-181			





Maul, Foster & Alongi, Inc.

Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

Certified Analyses included in this Report

Analyte Certifications

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2025
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program, PJLA Testing	66169	02/28/2025
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2024
WADOE	WA Dept of Ecology	C558	06/30/2024
WA-DW	Ecology - Drinking Water	C558	06/30/2024



Maul, Foster & Alongi, Inc. Project: McFarland Cascade Pole and Lumber Company - Eugene

2001 NW 19th Avenue, Suite 200Project Number: 22588.000Reported:Portland WA, 97209Project Manager: Cody Schweitzer27-Feb-2024 13:28

Notes and Definitions

U This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

[2C] Indicates this result was quantified on the second column on a dual column analysis.



Apex Laboratories, LLC

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

Monday, February 12, 2024 Cody Schweitzer Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232

RE: A4A1533 - McFarland Cascade-Eugene - 22588.000

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 A4A1533, which was received by the laboratory on 1/29/2024 at 11:44:00AM.

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, 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

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Cooler #1 3.8 degC

Cooler #2 4.6 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.





Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director

Philip Nevenberg

Page 1 of 14



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

3140 NE Broadway Street Project Number: 22588.000 Report ID:

Portland, OR 97232 Project Manager: Cody Schweitzer A4A1533 - 02 12 24 1814

ANALYTICAL REPORT FOR SAMPLES

	SAMPLE INFORMATION											
Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received								
92-9-0124	A4A1533-01	Water	01/29/24 08:00	01/29/24 11:44								
93-1A-0124	A4A1533-02	Water	01/29/24 09:00	01/29/24 11:44								
NORTH POND-0124	A4A1533-03	Water	01/29/24 09:45	01/29/24 11:44								
SOUTH POND-0124	A4A1533-04	Water	01/29/24 10:30	01/29/24 11:44								
DUP-0124	A4A1533-05	Water	01/29/24 07:15	01/29/24 11:44								

Apex Laboratories

Philip Nevenberg

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Philip Nerenberg, Lab Director



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

 3140 NE Broadway Street
 Project Number:
 22588.000
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4A1533 - 02 12 24 1814

ANALYTICAL SAMPLE RESULTS

	Selected	l Semivolatile O	rganic C	ompounds by E	PA 8270	E		
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
92-9-0124 (A4A1533-01)				Matrix: Wate	er	Batch: 2	24B0049	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	0.246	0.0971	0.194	ug/L	1	02/05/24 11:58	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0485	0.0971	ug/L	1	02/05/24 11:58	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.119	0.0485	0.0971	ug/L	1	02/05/24 11:58	EPA 8270E	M-05
2,4,5-Trichlorophenol	ND	0.0485	0.0971	ug/L	1	02/05/24 11:58	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0485	0.0971	ug/L	1	02/05/24 11:58	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	: 59 %	Limits: 44-120 %	1	02/05/24 11:58	EPA 8270E	
2-Fluorobiphenyl (Surr)			52 %	44-120 %	1	02/05/24 11:58	EPA 8270E	
Phenol-d6 (Surr)			17 %	10-133 %	1	02/05/24 11:58	EPA 8270E	Q-41
p-Terphenyl-d14 (Surr)			43 %	50-134 %	1	02/05/24 11:58	EPA 8270E	S-06
2-Fluorophenol (Surr)			24 %	19-120 %	1	02/05/24 11:58	EPA 8270E	
2,4,6-Tribromophenol (Surr)			92 %	43-140 %	1	02/05/24 11:58	EPA 8270E	
92-9-0124 (A4A1533-01RE1)				Matrix: Wate	er	Batch: 2		
Pentachlorophenol (PCP)	9.52	0.971	1.94	ug/L	10	02/05/24 14:14	EPA 8270E	
93-1A-0124 (A4A1533-02)				Matrix: Wate	er	Batch: 2	24B0049	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.101	0.202	ug/L	1	02/05/24 12:32	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0505	0.101	ug/L	1	02/05/24 12:32	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.101	0.202	ug/L	1	02/05/24 12:32	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0505	0.101	ug/L	1	02/05/24 12:32	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0505	0.101	ug/L	1	02/05/24 12:32	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0505	0.101	ug/L	1	02/05/24 12:32	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	: 59 %	Limits: 44-120 %	1	02/05/24 12:32	EPA 8270E	
2-Fluorobiphenyl (Surr)			52 %	44-120 %	1	02/05/24 12:32	EPA 8270E	
Phenol-d6 (Surr)			18 %	10-133 %	1	02/05/24 12:32	EPA 8270E	Q-41
p-Terphenyl-d14 (Surr)			37 %	50-134 %	1	02/05/24 12:32	EPA 8270E	S-06
2-Fluorophenol (Surr)			27 %	19-120 %	1	02/05/24 12:32	EPA 8270E	
2,4,6-Tribromophenol (Surr)			94 %	43-140 %	1	02/05/24 12:32	EPA 8270E	
NORTH POND-0124 (A4A1533-03RE1)				Matrix: Water Batch: 24B004		24B0049		
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.101	0.202	ug/L	1	02/06/24 14:35	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0505	0.101	ug/L	1	02/06/24 14:35	EPA 8270E	
Pentachlorophenol (PCP)	0.140	0.101	0.202	ug/L	1	02/06/24 14:35	EPA 8270E	J
2,3,5,6-Tetrachlorophenol	ND	0.0505	0.101	ug/L	1	02/06/24 14:35	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

 3140 NE Broadway Street
 Project Number:
 22588.000
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4A1533 - 02 12 24 1814

ANALYTICAL SAMPLE RESULTS

	Selected	l Semivolatile O	rganic C	ompounds by E	PA 8270	<u> </u>		
	Sample		Reporting	***	D.1 -:	Date	W.4. 17. 0	
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
NORTH POND-0124 (A4A1533-03RE1)				Matrix: Wate	r	Batch:	24B0049	
2,4,5-Trichlorophenol	ND	0.0505	0.101	ug/L	1	02/06/24 14:35	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0505	0.101	ug/L	1	02/06/24 14:35	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	: 75 %	Limits: 44-120 %	1	02/06/24 14:35	EPA 8270E	
2-Fluorobiphenyl (Surr)			71 %	44-120 %	1	02/06/24 14:35	EPA 8270E	
Phenol-d6 (Surr)			23 %	10-133 %	1	02/06/24 14:35	EPA 8270E	
p-Terphenyl-d14 (Surr)			53 %	50-134 %	1	02/06/24 14:35	EPA 8270E	
2-Fluorophenol (Surr)			35 %	19-120 %	1	02/06/24 14:35	EPA 8270E	
2,4,6-Tribromophenol (Surr)			99 %	43-140 %	1	02/06/24 14:35	EPA 8270E	
SOUTH POND-0124 (A4A1533-04RE1)				Matrix: Wate	r	Batch:	24B0049	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.100	0.200	ug/L	1	02/05/24 14:52	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0500	0.100	ug/L	1	02/05/24 14:52	EPA 8270E	
Pentachlorophenol (PCP)	0.167	0.100	0.200	ug/L	1	02/05/24 14:52	EPA 8270E	J
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1	02/05/24 14:52	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1	02/05/24 14:52	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1	02/05/24 14:52	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	: 75 %	Limits: 44-120 %	1	02/05/24 14:52	EPA 8270E	
2-Fluorobiphenyl (Surr)			63 %	44-120 %	1	02/05/24 14:52	EPA 8270E	
Phenol-d6 (Surr)			23 %	10-133 %	1	02/05/24 14:52	EPA 8270E	Q-41
p-Terphenyl-d14 (Surr)			45 %	50-134 %	1	02/05/24 14:52	EPA 8270E	S-06
2-Fluorophenol (Surr)			34 %	19-120 %	1	02/05/24 14:52	EPA 8270E	
2,4,6-Tribromophenol (Surr)			96 %	43-140 %	1	02/05/24 14:52	EPA 8270E	
DUP-0124 (A4A1533-05)				Matrix: Wate	r	Batch:	24B0049	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.400	0.800	ug/L	4	02/03/24 01:49	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.200	0.400	ug/L	4	02/03/24 01:49	EPA 8270E	
Pentachlorophenol (PCP)	9.90	0.400	0.800	ug/L	4	02/03/24 01:49	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.260	0.200	0.400	ug/L	4	02/03/24 01:49	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.200	0.400	ug/L	4	02/03/24 01:49	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	4	02/03/24 01:49	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	: 74%	Limits: 44-120 %	4	02/03/24 01:49	EPA 8270E	
2-Fluorobiphenyl (Surr)			65 %	44-120 %	4	02/03/24 01:49	EPA 8270E	
Phenol-d6 (Surr)			21 %	10-133 %	4	02/03/24 01:49	EPA 8270E	
p-Terphenyl-d14 (Surr)			56 %	50-134 %	4	02/03/24 01:49	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

 3140 NE Broadway Street
 Project Number: 22588.000
 Report ID:

 Portland, OR 97232
 Project Manager: Cody Schweitzer
 A4A1533 - 02 12 24 1814

ANALYTICAL SAMPLE RESULTS

	Selected Semivolatile Organic Compounds by EPA 8270E											
Analyte	Sample Result	Detection Limit	Reporting Limit	Uı	nits	Dilution	Date Analyzed	Method Ref.	Notes			
DUP-0124 (A4A1533-05)				Matı	rix: Wate	er	Batch:	24B0049				
Surrogate: 2-Fluorophenol (Surr) 2,4,6-Tribromophenol (Surr)		Recover	ry: 33 % 75 %	Limits:	19-120 %		02/03/24 01:49 02/03/24 01:49	EPA 8270E EPA 8270E				

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Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

3140 NE Broadway StreetProject Number: 22588.000Report ID:Portland, OR 97232Project Manager: Cody SchweitzerA4A1533 - 02 12 24 1814

QUALITY CONTROL (QC) SAMPLE RESULTS

		Selecte	d Semivol	atile Orga	anic Com	pounds b	y EPA 82	270E				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24B0049 - EPA 3510C	(Acid Extra	ection)					Wa	ter				
Blank (24B0049-BLK1)			Prepared	d: 02/02/24	11:19 Ana	lyzed: 02/03	/24 00:10					
EPA 8270E												
2,3,4,6- & 2,3,4,5-Tetrachlorop	phenol(N)D	0.100	0.200	ug/L	1							A-(
2,4-Dichlorophenol	ND	0.0500	0.100	ug/L	1							
Pentachlorophenol (PCP)	ND	0.100	0.200	ug/L	1							
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 92 %	Limits: 4	4-120 %	Dili	ution: 1x					
2-Fluorobiphenyl (Surr)			74 %	44	4-120 %		"					
Phenol-d6 (Surr)			27 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			99 %	50	0-134 %		"					
2-Fluorophenol (Surr)			41 %	19	9-120 %		"					
2,4,6-Tribromophenol (Surr)			81 %	43	3-140 %		"					
LCS (24B0049-BS1)			Prepared	d: 02/02/24	11:19 Ana	lyzed: 02/03	/24 00:43					
EPA 8270E												
2,4-Dichlorophenol	3.59	0.200	0.400	ug/L	4	4.00		90	47-121%			
Pentachlorophenol (PCP)	4.48	0.400	0.800	ug/L	4	4.00		112	35-138%			
2,3,4,6-Tetrachlorophenol	3.92	0.200	0.400	ug/L	4	4.00		98	50-128%			
2,3,5,6-Tetrachlorophenol	4.01	0.200	0.400	ug/L	4	4.00		100	50-121%			
2,4,5-Trichlorophenol	4.25	0.200	0.400	ug/L	4	4.00		106	53-123%			
2,4,6-Trichlorophenol	3.92	0.200	0.400	ug/L	4	4.00		98	50-125%			
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 91 %	Limits: 4	4-120 %	Dili	ution: 4x					
2-Fluorobiphenyl (Surr)			75 %	44	4-120 %		"					
Phenol-d6 (Surr)			29 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			82 %	50	0-134 %		"					
2-Fluorophenol (Surr)			39 %	19	9-120 %		"					
2,4,6-Tribromophenol (Surr)			88 %	43	3-140 %		"					
LCS Dup (24B0049-BSD1)			Prepared	d: 02/02/24	11:19 Ana	lyzed: 02/03	/24 01:16					Q-19
EPA 8270E			1			-						-
2,4-Dichlorophenol	3.49	0.200	0.400	ug/L	4	4.00		87	47-121%	3	30%	
Pentachlorophenol (PCP)	4.23	0.400	0.800	ug/L	4	4.00		106	35-138%	6	30%	
2,3,4,6-Tetrachlorophenol	3.65	0.200	0.400	ug/L	4	4.00		91	50-128%	7	30%	

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Philip Nerenberg, Lab Director

Philip Neimberg



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

3140 NE Broadway StreetProject Number:22588.000Report ID:Portland, OR 97232Project Manager:Cody SchweitzerA4A1533 - 02 12 24 1814

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E Detection Reporting Spike % REC **RPD** Source Limits RPD Analyte Result Limit Units Dilution Amount Result % REC Limit Limit Notes Batch 24B0049 - EPA 3510C (Acid Extraction) Water LCS Dup (24B0049-BSD1) Prepared: 02/02/24 11:19 Analyzed: 02/03/24 01:16 Q-19 2,3,5,6-Tetrachlorophenol 3.79 0.200 0.400 ug/L 4.00 95 50-121% 30% 6 2,4,5-Trichlorophenol 4.06 0.200 0.400 4.00 101 5 ug/L 4 53-123% 30% ---0.200 4.00 2,4,6-Trichlorophenol 3.83 0.400 ug/L 4 96 50-125% 2 30% Surr: Nitrobenzene-d5 (Surr) 88 % Limits: 44-120 % Dilution: 4x Recovery: 2-Fluorobiphenyl (Surr) 44-120 % 76 % Phenol-d6 (Surr) 28 % 10-133 % p-Terphenyl-d14 (Surr) 50-134 % 88 % 2-Fluorophenol (Surr) 19-120 % 40 % 2,4,6-Tribromophenol (Surr) 85 % 43-140 %

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Apex Laboratories, LLC

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 3140 NE Broadway Street
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 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4A1533 - 02 12 24 1814

SAMPLE PREPARATION INFORMATION

		Selected Semi	volatile Organic Com	pounds by EPA 827	'0E		
Prep: EPA 3510C (Ad	cid Extraction)				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 24B0049							
A4A1533-01	Water	EPA 8270E	01/29/24 08:00	02/02/24 11:19	1030mL/1mL	1000 mL/1 mL	0.97
A4A1533-01RE1	Water	EPA 8270E	01/29/24 08:00	02/02/24 11:19	1030mL/1mL	1000mL/1mL	0.97
A4A1533-02	Water	EPA 8270E	01/29/24 09:00	02/02/24 11:19	990mL/1mL	1000mL/1mL	1.01
A4A1533-03RE1	Water	EPA 8270E	01/29/24 09:45	02/02/24 11:19	990mL/1mL	1000mL/1mL	1.01
A4A1533-04RE1	Water	EPA 8270E	01/29/24 10:30	02/02/24 11:19	1000mL/1mL	1000mL/1mL	1.00
A4A1533-05	Water	EPA 8270E	01/29/24 07:15	02/02/24 11:19	1000 mL/1 mL	1000mL/1mL	1.00

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 A4A1533 - 02 12 24 1814

QUALIFIER DEFINITIONS

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

Apex Laboratories

- A-01 Due to coelution of isomers, 2,3,4,6- and 2,3,4,5-Tetrachlorophenol (TCP) are reported as a sum and are Estimated Values. Results are calculated using the response factor of 2,3,4,6-TCP. Batch results accepted based on spike recovery of 2,3,4,6-TCP.
- J Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- M-05 Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- Q-19 Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-41 Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- **S-06** Surrogate recovery is outside of established control limits.

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Apex Laboratories, LLC

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3140 NE Broadway Street Project Number: 22588.000 Report ID:
Portland, OR 97232 Project Manager: Cody Schweitzer A4A1533 - 02 12 24 1814

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'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

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).

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3140 NE Broadway Street Project Number: 22588.000 Report ID:
Portland, OR 97232 Project Manager: Cody Schweitzer A4A1533 - 02 12 24 1814

REPORTING NOTES AND CONVENTIONS (Cont.):

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.
- -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, if results are not reported to the MDL.

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director

Philip Nevenberg

Page 11 of 14



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: McFarland Cascade-Eugene

3140 NE Broadway StreetProject Number:22588.000Report ID:Portland, OR 97232Project Manager:Cody SchweitzerA4A1533 - 02 12 24 1814

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 <u>exception</u> of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
Water	EPA 8270E		2,3,4,6- & 2,3,4,5-Tetrach	lorophenol(s)	
		All reported analytes are included in a	Apex Laboratories' current ORELA	P 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

Philip Nevenberg

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

Apex Laboratories

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Philip Nerenberg, Lab Director

Page 12 of 14



Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

Project:

McFarland Cascade-Eugene

3140 NE Broadway Street

Portland, OR 97232

Project Number: 22588.000

Project Manager: Cody Schweitzer

Report ID: A4A1533 - 02 12 24 1814

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Address: 3500 Chad Drive, Suite 100 , Eugene OR 97408	rive, Suite 100 ,	Euge,	L & I	17408				Phone:	Phone: (541) 686-8684	8684	 "	Fax:			cary.midwood@pbsusa.com; Email: cschweitzer@mauffoster.com	cary.mi	wood@	pbsusa	com;			T
Sampled by: Janessa Sandoval	andoval	f				0,030,000						100 2006	NALY	SIS RE	ANALYSIS REQUEST							
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Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

Page 13 of 14



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: McFarland Cascade-Eugene

Project Number: 22588.000

Project Manager: Cody Schweitzer

Report ID: A4A1533 - 02 12 24 1814

APEX LABS COOLER RECEIPT FORM
Client: PBS Element WO#: A4 P 1537
Project/Project #: Mc Farl and Cascade, Eygene 27588
Delivery Info: Date/time received: 1994 @ 11.44 By:
Cooler Inspection Date/time inspected: 129/24@13:30 By: ASIN
Chain of Custody included? Yes No
Cooler #1 Cooler #2 Cooler #3 Cooler #4 Cooler #5 Cooler #6 Cooler #7 Temperature (°C) Custody seals? (Y/N) Received on ice? (Y/N) Temp. blanks? (Y/N) Ice type: (Gel/Real/Other) Condition (In/Out): 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: 1247 @ 1545 By: All samples intact? Yes No Comments:
Bottle labels/COCs agree? Yes \(\sum_ \) Comments:
COC/container discrepancies form initiated? Yes No _ <u>X</u> Containers/volumes received appropriate for analysis? Yes <u>X</u> No Comments:
Do VOA vials have visible headspace? Yes No NA _X Comments Water samples: pH checked: Yes No NA _X pH ID: Comments:
Additional information:
Labeled by: Witness: Cooler Inspected by:
DJ5 Form Y-003 R-01 -

Apex Laboratories

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Philip Nevenberg



21 May 2024

Cody Schweitzer Maul, Foster & Alongi, Inc. 2001 NW 19th Avenue, Suite 200 Portland, WA 97209

RE: Stella-Jones Eugene (M0022.04.002)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)

24E0087

Associated SDG ID(s)
N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

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.

Kelly Bottem, Client Services Manager

Chain of Custody Record & Laboratory Analysis Request

AR Assigned Number: 24 E COS 7 AR Client Company: Maul Footon 8 Additional Control of the Company in the Company in the Company in the Company in the Control of the Company in the Com	Turn-arour	nd Requested	^{i:} Standa	ard	Date	5/1/	2023						Analytical Resources, I
Maul Foster & Alongi Client Contact: Cody Schwe	eitzer	9	71-544-	-2139	Page:	(of	1		-	-//-	, A	Rialytical Chemists and Consulta 4611 South 134th Place, Suite
Stella-Jo	nes Euge	ne			Coolers:		Cooler Temps	(5.8				Tukwila, WA 98-206-695-6200 206-695-6202 (fa
Client Project #: M0022.04.002	Samplers:	Cody S	chweitz	er				Analysis	Reques	ted			Notes/Comments
Sample ID	Date	Time	Matrix	No. Containers	L PCP								
R-3-0424	04/29/24	18:05	GW	2	<u></u> ✓								
					•					-			
rect bill to ella-Jones: Alex Clark	Relinquished by: Signature) rinted Name:	July		Received by: (Signature) Printed Name:	= 2/ ERI	XSO	(Si	gnature)	5.8			Received by (Signature)	Stem DIMM
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Limits of Liability: Analytical Resources, LLC (AR) will perform all requested services in accordance with appropriate methodology following AR Standard Operating Procedures and the AR Quality Assurance Program. This program meets standards for the industry. The total liability of AR, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall in any contract, purchase order or co-signed agreement between AR and the Client.

Sample Retention Policy: Unless specified by work order or contract, all water/soil samples submitted to AR will be discarded or returned, no sooner than 90 days after receipt or 60 days after submission of hard copy data, whichever is longer. Sediment samples submitted under PSDDA/PSEP/SMS protocol will be stored frozen for up to one year and then discarded.



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
R-3-0424	24E0087-01	Water	29-Apr-2024 18:05	02-May-2024 10:31

Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

Work Order Case Narrative

Pentachlorophenol - EPA Method SW8041A

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.



Cooler Receipt Form

11. 15-11			
ARI Client: Maul toster Hongi	Project Name:	a Jones	Lugen
COC No(s):	Delivered by: Fed-Ex UPS Couri	ier Hand Delivered Othe	r:
Assigned ARI Job No: 24 E @ 87	Tracking No: 1787	V 5210195	41 NA 348
Preliminary Examination Phase:			
Were intact, properly signed and dated custody seals attached to the	outside of the cooler?	(YES)	NO
Were custody papers included with the cooler?		YES	NO
Were custody papers properly filled out (ink, signed, etc.)		YES	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemist	ry)		
Time	5.8		
If cooler temperature is out of compliance fill out form 00070F		Temp Gun ID#:	06117
Cooler Accepted by:	Date: \$12/24 Time:	1031	
	attach all shipping documents		
Log-In Phase:			
Was a temperature blank included in the cooler?			
What kind of packing material was used? Bubble Wrap			ES NO
Was sufficient ice used (if appropriate)?			ES NO
How were bottles sealed in plastic bags?			ouped Not
Did all bottles arrive in good condition (unbroken)?			ES NO
Were all bottle labels complete and legible?			ES NO
Did the number of containers listed on COC match with the number	r of containers received?	. (Y	ES NO
Did all bottle labels and tags agree with custody papers?		(Y	ES NO
Were all bottles used correct for the requested analyses?		Q.	ES NO
Do any of the analyses (bottles) require preservation? (attach preservation)	ervation sheet, excluding VOCs)	NA Y	ES NO
Were all VOC vials free of air bubbles?		NA Y	'ES NO
Was sufficient amount of sample sent in each bottle?		Y	ES NO
Date VOC Trip Blank was made at ARI Were the sample(s) split		NA _	
by ARI?	Equipment:	Split b	oy:
Samulas Lagrand but	15:30 La		
	f discrepancies or concerns **	bels checked by:	
Noury Project manager of	ruiscrepancies or concerns		
Sample ID on Bottle Sample ID on COC	Sample ID on Bottle	Committe ID	
Cample is on some	Sample ib on Bottle	Sample ID on	COC
Additional Notes, Discrepancies, & Resolutions:			
,			
By: Date:			

0016F 01/17/2018



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

R-3-0424 24E0087-01 (Water)

Phenols

 Method: EPA 8041A
 Sampled: 04/29/2024 18:05

 Instrument: ECD8 Analyst: NRB
 Analysed: 05/20/2024 19:07

Sample Preparation: Preparation Method: EPA 3510C SepF Extract ID: 24E0087-01 A 01

Preparation Batch: BME0127 Sample Size: 500 mL Prepared: 05/06/2024 Final Volume: 5 mL

Detection Reporting Analyte CAS Number Dilution Limit Limit Result Notes Pentachlorophenol 87-86-5 0.014 0.025 0.172 ug/L Surrogate: 2,4,6-Tribromophenol 10-181 % 61.5 % Surrogate: 2,4,6-Tribromophenol [2C] 10-181 % 58.5 %



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number: M0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer21-May-2024 11:06

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BME0127 - EPA 8041A

Instrument: ECD8 Analyst: NRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BME0127-BLK1)				Prep	ared: 06-Ma	y-2024 An	alyzed: 20-	May-2024	18:13		
Pentachlorophenol	ND	0.014	0.025	ug/L							U
Surrogate: 2,4,6-Tribromophenol	0.148			ug/L	0.250		59.2	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.170			ug/L	0.250		68.1	10-181			



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BME0127 - EPA 8041A

Instrument: ECD8 Analyst: NRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BME0127-BS1)				Prep	ared: 06-Ma	y-2024 An	alyzed: 20-	May-2024	18:31		
Pentachlorophenol	0.184	0.014	0.025	ug/L	0.250		73.7	36-159			
Surrogate: 2,4,6-Tribromophenol	0.168			ug/L	0.250		67.2	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.185			ug/L	0.250		74.1	10-181			



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BME0127 - EPA 8041A

Instrument: ECD8 Analyst: NRB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BME0127-BSD1)				Prep	ared: 06-May	y-2024 An	alyzed: 20-	May-2024	18:49		
Pentachlorophenol	0.173	0.014	0.025	ug/L	0.250		69.3	36-159	6.16	30	
Surrogate: 2,4,6-Tribromophenol	0.140			ug/L	0.250		55.9	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.153			ug/L	0.250		61.1	10-181			





Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: M0022.04.002

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

Certified Analyses included in this Report

Analyte Certifications

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2025
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program, PJLA Testing	66169	02/28/2025
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2024
WADOE	WA Dept of Ecology	C558	06/30/2024
WA-DW	Ecology - Drinking Water	C558	06/30/2024



Analytical Report

Maul, Foster & Alongi, Inc. Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number:M0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer21-May-2024 11:06

Notes and Definitions

U This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

[2C] Indicates this result was quantified on the second column on a dual column analysis.



Apex Laboratories, LLC

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

AMENDED REPORT

Friday, October 18, 2024 Cody Schweitzer Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232

RE: A4E0805 - Stella-Jones Corporation Eugene - M0022.04.002

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 A4E0805, which was received by the laboratory on 5/1/2024 at 8:01:00AM.

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, 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.

A D T			Cooler Receipt Information
Acceptable Receipt Ter	nperatu	ire is less t	han, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.
			(See Cooler Receipt Form for details)
Cooler #1	1.1	degC	Cooler #2 1.3 degC
Cooler #3	1.7	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

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Philip Nerenberg, Lab Director

Philip Nevenberg



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

ANALYTICAL REPORT FOR SAMPLES

	SAMPLE INFO	ORMATION		
Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
90-5-0424	A4E0805-01	Water	04/29/24 14:00	05/01/24 08:01
90-1D-0424	A4E0805-02	Water	04/29/24 15:40	05/01/24 08:01
92-9-0424	A4E0805-03	Water	04/29/24 16:41	05/01/24 08:01
R-1-0424	A4E0805-04	Water	04/29/24 17:35	05/01/24 08:01
R-1-0424-DUP	A4E0805-05	Water	04/29/24 17:35	05/01/24 08:01
R-2-0424	A4E0805-06	Water	04/29/24 17:50	05/01/24 08:01
R-3-0424	A4E0805-07	Water	04/29/24 18:05	05/01/24 08:01
P-2D-0424	A4E0805-08	Water	04/30/24 09:12	05/01/24 08:01
93-4-0424	A4E0805-09	Water	04/30/24 11:15	05/01/24 08:01
Field-0424	A4E0805-10	Water	04/30/24 12:00	05/01/24 08:01
93-8-0424	A4E0805-11	Water	04/30/24 14:05	05/01/24 08:01

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

ANALYTICAL CASE NARRATIVE

A4E0805 Apex Laboratories

Amended Report Revision 1:

This report supersedes all previous reports.

Extra analytes were accidently reported on the 8270 Phenols list in the original report and have been removed on this version. Analyte 2,3,4,6/2,3,4,5 Tetrachlorophenol was added to this report.

Philip Nerenberg Lab Director 10/18/24

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Manherg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	23.00.00	l Semivolatile		. p				
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
90-5-0424 (A4E0805-01RE1)				Matrix: Wate	er	Batch:	24E0134	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.400	0.800	ug/L	4	05/06/24 13:03	EPA 8270E	A-01, AMEND
2,4-Dichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 13:03	EPA 8270E	
Pentachlorophenol (PCP)	2.11	0.400	0.800	ug/L	4	05/06/24 13:03	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.637	0.200	0.400	ug/L	4	05/06/24 13:03	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 13:03	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 13:03	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Reco	very: 94 %	Limits: 44-120 %	4	05/06/24 13:03	EPA 8270E	
2-Fluorobiphenyl (Surr)			88 %	44-120 %	4	05/06/24 13:03	EPA 8270E	
Phenol-d6 (Surr)			30 %	10-133 %	4	05/06/24 13:03	EPA 8270E	
p-Terphenyl-d14 (Surr)			82 %	50-134 %	4	05/06/24 13:03	EPA 8270E	
2-Fluorophenol (Surr)			47 %	19-120 %	4	05/06/24 13:03	EPA 8270E	
2,4,6-Tribromophenol (Surr)			122 %	43-140 %	4	05/06/24 13:03	EPA 8270E	
90-1D-0424 (A4E0805-02)				Matrix: Wate	er	Batch: 24E0134		
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.400	0.800	ug/L	4	05/06/24 10:44	EPA 8270E	A-01, AMEND
2,4-Dichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 10:44	EPA 8270E	
Pentachlorophenol (PCP)	2.06	0.400	0.800	ug/L	4	05/06/24 10:44	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.258	0.200	0.400	ug/L	4	05/06/24 10:44	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 10:44	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 10:44	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Reco	very: 92 %	Limits: 44-120 %	4	05/06/24 10:44	EPA 8270E	
2-Fluorobiphenyl (Surr)			87 %	44-120 %	4	05/06/24 10:44	EPA 8270E	
Phenol-d6 (Surr)			28 %	10-133 %	4	05/06/24 10:44	EPA 8270E	
p-Terphenyl-d14 (Surr)			67 %	50-134 %	4	05/06/24 10:44	EPA 8270E	
2-Fluorophenol (Surr)			43 %	19-120 %	4	05/06/24 10:44	EPA 8270E	
2,4,6-Tribromophenol (Surr)			103 %	43-140 %	4	05/06/24 10:44	EPA 8270E	
92-9-0424 (A4E0805-03)				Matrix: Wate	er	Batch:	24E0134	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.400	0.800	ug/L	4	05/06/24 11:19	EPA 8270E	A-01, AMEND
2,4-Dichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 11:19	EPA 8270E	
Pentachlorophenol (PCP)	4.92	0.400	0.800	ug/L	4	05/06/24 11:19	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.215	0.200	0.400	ug/L	4	05/06/24 11:19	EPA 8270E	J
-				-				

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Selected	Semivolatile	Organic C	ompounds by E	PA 8270	E		
	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
92-9-0424 (A4E0805-03)				Matrix: Water		Batch: 24E0134		
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 11:19	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recov	ery: 73 %	Limits: 44-120 %	4	05/06/24 11:19	EPA 8270E	
2-Fluorobiphenyl (Surr)			86 %	44-120 %	4	05/06/24 11:19	EPA 8270E	
Phenol-d6 (Surr)			20 %	10-133 %	4	05/06/24 11:19	EPA 8270E	
p-Terphenyl-d14 (Surr)			82 %	50-134 %	4	05/06/24 11:19	EPA 8270E	
2-Fluorophenol (Surr)			38 %	19-120 %	4	05/06/24 11:19	EPA 8270E	
2,4,6-Tribromophenol (Surr)			98 %	43-140 %	4	05/06/24 11:19	EPA 8270E	
P-2D-0424 (A4E0805-08)				Matrix: Wate	er	Batch:	24E0134	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.400	0.800	ug/L	4	05/06/24 11:54	EPA 8270E	A-01, AMEND
2,4-Dichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 11:54	EPA 8270E	
Pentachlorophenol (PCP)	2.43	0.400	0.800	ug/L	4	05/06/24 11:54	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.281	0.200	0.400	ug/L	4	05/06/24 11:54	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 11:54	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	4	05/06/24 11:54	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recov	ery: 84 %	Limits: 44-120 %	4	05/06/24 11:54	EPA 8270E	
2-Fluorobiphenyl (Surr)			88 %	44-120 %	4	05/06/24 11:54	EPA 8270E	
Phenol-d6 (Surr)			28 %	10-133 %	4	05/06/24 11:54	EPA 8270E	
p-Terphenyl-d14 (Surr)			74 %	50-134 %	4	05/06/24 11:54	EPA 8270E	
2-Fluorophenol (Surr)			46 %	19-120 %	4	05/06/24 11:54	EPA 8270E	
2,4,6-Tribromophenol (Surr)			107 %	43-140 %	4	05/06/24 11:54	EPA 8270E	
93-4-0424 (A4E0805-09)				Matrix: Wate	er	Batch:	24E0134	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.421	0.842	ug/L	4	05/06/24 12:28	EPA 8270E	A-01, AMEND
2,4-Dichlorophenol	ND	0.211	0.421	ug/L	4	05/06/24 12:28	EPA 8270E	
Pentachlorophenol (PCP)	2.28	0.421	0.842	ug/L	4	05/06/24 12:28	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.211	0.421	ug/L	4	05/06/24 12:28	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.211	0.421	ug/L	4	05/06/24 12:28	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.211	0.421	ug/L	4	05/06/24 12:28	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recov	ery: 76 %	Limits: 44-120 %	4	05/06/24 12:28	EPA 8270E	
2-Fluorobiphenyl (Surr)			86 %	44-120 %	4	05/06/24 12:28	EPA 8270E	
Phenol-d6 (Surr)			25 %	10-133 %	4	05/06/24 12:28	EPA 8270E	
p-Terphenyl-d14 (Surr)			63 %	50-134 %	4	05/06/24 12:28	EPA 8270E	
2-Fluorophenol (Surr)			43 %	19-120 %	4	05/06/24 12:28	EPA 8270E	

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Philip Nevenberg



AMENDED 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: Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Selected	Selected Semivolatile Organic Compounds by EPA 8270E								
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes		
93-4-0424 (A4E0805-09)				Matrix: Wate	er	Batch: 2	24E0134			
Surrogate: 2,4,6-Tribromophenol (Surr)		Recove	ery: 106%	Limits: 43-140 %	4	05/06/24 12:28	EPA 8270E			
93-8-0424 (A4E0805-11RE2)				Matrix: Wate	er	Batch: 2	24E0134			
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.105	0.211	ug/L	1	05/06/24 18:13	EPA 8270E	A-01, AMEND		
2,4-Dichlorophenol	ND	0.0526	0.105	ug/L	1	05/06/24 18:13	EPA 8270E			
Pentachlorophenol (PCP)	0.113	0.105	0.211	ug/L	1	05/06/24 18:13	EPA 8270E	J		
2,3,5,6-Tetrachlorophenol	ND	0.0526	0.105	ug/L	1	05/06/24 18:13	EPA 8270E			
2,4,5-Trichlorophenol	ND	0.0526	0.105	ug/L	1	05/06/24 18:13	EPA 8270E			
2,4,6-Trichlorophenol	ND	0.0526	0.105	ug/L	1	05/06/24 18:13	EPA 8270E			
Surrogate: Nitrobenzene-d5 (Surr)		Recon	very: 81 %	Limits: 44-120 %	1	05/06/24 18:13	EPA 8270E			
2-Fluorobiphenyl (Surr)			71 %	44-120 %	I	05/06/24 18:13	EPA 8270E			
Phenol-d6 (Surr)			29 %	10-133 %	1	05/06/24 18:13	EPA 8270E			
p-Terphenyl-d14 (Surr)			57 %	50-134 %	1	05/06/24 18:13	EPA 8270E			
2-Fluorophenol (Surr)			43 %	19-120 %	1	05/06/24 18:13	EPA 8270E			
2,4,6-Tribromophenol (Surr)			98 %	43-140 %	1	05/06/24 18:13	EPA 8270E			

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AMENDED 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:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002 Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

			anic Compo			D.		
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-1-0424 (A4E0805-04)				Matrix: W	ater	Batch: 24E0175		
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	A-01, AMEND
Acenaphthene	1.46	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30, B
Acenaphthylene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Anthracene	0.133	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	J
Benz(a)anthracene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Benzo(a)pyrene	ND	0.143	0.286	ug/L	10	05/06/24 17:22	EPA 8270E	
Benzo(b)fluoranthene	ND	0.143	0.286	ug/L	10	05/06/24 17:22	EPA 8270E	
Benzo(k)fluoranthene	ND	0.143	0.286	ug/L	10	05/06/24 17:22	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Chrysene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Fluoranthene	0.219	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Fluorene	1.52	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Indeno(1,2,3-cd)pyrene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
1-Methylnaphthalene	0.639	0.190	0.381	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30, B-02
2-Methylnaphthalene	0.316	0.190	0.381	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30, J
Naphthalene	0.441	0.190	0.381	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30, B-02
Phenanthrene	0.256	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Pyrene	0.263	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Carbazole	ND	0.143	0.286	ug/L	10	05/06/24 17:22	EPA 8270E	
Dibenzofuran	0.272	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
2-Chlorophenol	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
2,4-Dichlorophenol	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
2,4-Dimethylphenol	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
2,4-Dinitrophenol	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
2-Methylphenol	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
3+4-Methylphenol(s)	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
2-Nitrophenol	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
4-Nitrophenol	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
Pentachlorophenol (PCP)	4.93	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
Phenol	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	

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AMENDED 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: Ste

Stella-Jones Corporation Eugene

Project Number: M0022.04.002

Report ID: A4E0805 - 10 18 24 1743

Project Manager: Cody Schweitzer A4E0805 - 10 18 24

ANALYTICAL SAMPLE RESULTS

	Comm1.	Detection	Reporting			Date		
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-1-0424 (A4E0805-04)				Matrix: Wa	ater	Batch:	24E0175	
2,3,5,6-Tetrachlorophenol	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
Butyl benzyl phthalate	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
Diethylphthalate	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
Dimethylphthalate	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
Di-n-butylphthalate	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
Di-n-octyl phthalate	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
N-Nitrosodimethylamine	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
N-Nitrosodiphenylamine	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
2,2'-Oxybis(1-Chloropropane)	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Hexachlorobenzene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	
Hexachlorobutadiene	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Hexachlorocyclopentadiene	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
Hexachloroethane	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
2-Chloronaphthalene	ND	0.0952	0.190	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
1,2,4-Trichlorobenzene	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
4-Bromophenyl phenyl ether	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Aniline	ND	0.476	0.952	ug/L	10	05/06/24 17:22	EPA 8270E	
4-Chloroaniline	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
2-Nitroaniline	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
3-Nitroaniline	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
4-Nitroaniline	ND	1.90	3.81	ug/L	10	05/06/24 17:22	EPA 8270E	
Nitrobenzene	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
2,4-Dinitrotoluene	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
2,6-Dinitrotoluene	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Benzoic acid	ND	11.9	23.8	ug/L	10	05/06/24 17:22	EPA 8270E	
Benzyl alcohol	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
R-1-0424 (A4E0805-04)				Matrix: Wate	r	Batch: 2	24E0175	
Isophorone	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Bis(2-Ethylhexyl) adipate	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
3,3'-Dichlorobenzidine	ND	4.76	9.52	ug/L	10	05/06/24 17:22	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
1,3-Dinitrobenzene	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
1,4-Dinitrobenzene	ND	2.38	4.76	ug/L	10	05/06/24 17:22	EPA 8270E	
Pyridine	ND	0.952	1.90	ug/L	10	05/06/24 17:22	EPA 8270E	
1,2-Dichlorobenzene	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
1,3-Dichlorobenzene	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
1,4-Dichlorobenzene	ND	0.238	0.476	ug/L	10	05/06/24 17:22	EPA 8270E	Q-30
Surrogate: Nitrobenzene-d5 (Surr)		Reco	very: 68 %	Limits: 44-120 %	10	05/06/24 17:22	EPA 8270E	Q-41
2-Fluorobiphenyl (Surr)			61 %	44-120 %	10	05/06/24 17:22	EPA 8270E	_
Phenol-d6 (Surr)			21 %	10-133 %	10	05/06/24 17:22	EPA 8270E	Q-41
p-Terphenyl-d14 (Surr)			87 %	50-134 %		05/06/24 17:22	EPA 8270E	
2-Fluorophenol (Surr)			31 %	19-120 %		05/06/24 17:22	EPA 8270E	
2,4,6-Tribromophenol (Surr)			100 %	43-140 %	10	05/06/24 17:22	EPA 8270E	
R-1-0424-DUP (A4E0805-05)				Matrix: Wate	r	Batch: 2	24E0175	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	A-01, AMEN
Acenaphthene	1.58	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30, 1
Acenaphthylene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Anthracene	0.144	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	J
Benz(a)anthracene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Benzo(a)pyrene	ND	0.144	0.288	ug/L	10	05/06/24 17:58	EPA 8270E	
Benzo(b)fluoranthene	ND	0.144	0.288	ug/L	10	05/06/24 17:58	EPA 8270E	
Benzo(k)fluoranthene	ND	0.144	0.288	ug/L	10	05/06/24 17:58	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Chrysene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Fluoranthene	0.211	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Fluorene	1.69	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Indeno(1,2,3-cd)pyrene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	3611	voiaule Org	anic Compou	and by EP	- OZI UL			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-1-0424-DUP (A4E0805-05)				Matrix: Wa			24E0175	
,	0.750	0.102	0.295					O 20 P 02
1-Methylnaphthalene 2 Methylnaphthalene	0.659	0.192	0.385	ug/L	10	05/06/24 17:58	EPA 8270E EPA 8270E	Q-30, B-02 Q-30, J
2-Methylnaphthalene	0.380	0.192	0.385	ug/L	10	05/06/24 17:58		- '
Naphthalene	0.495	0.192	0.385	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30, B-02
Phenanthrene	0.255	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Pyrene	0.278	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Carbazole	ND	0.144	0.288	ug/L	10	05/06/24 17:58	EPA 8270E	
Dibenzofuran	0.290	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
2-Chlorophenol	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
2,4-Dichlorophenol	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
2,4-Dimethylphenol	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
2,4-Dinitrophenol	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
2-Methylphenol	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	
3+4-Methylphenol(s)	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	
2-Nitrophenol	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
4-Nitrophenol	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
Pentachlorophenol (PCP)	5.03	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
Phenol	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
Butyl benzyl phthalate	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
Diethylphthalate	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
Dimethylphthalate	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
Di-n-butylphthalate	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
Di-n-octyl phthalate	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
N-Nitrosodimethylamine	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
N-Nitrosodiphenylamine	ND	0.240	0.481	ug/L ug/L	10	05/06/24 17:58	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND ND	0.240	0.481	ug/L ug/L	10	05/06/24 17:58	EPA 8270E	
Bis(2-Chloroethyl) ether	ND ND	0.240	0.481	ug/L ug/L	10	05/06/24 17:58	EPA 8270E EPA 8270E	Q-30

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Org	anic Compo	ounds by EPA 8	3270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-1-0424-DUP (A4E0805-05)				Matrix: Wate	er	Batch:	24E0175	
2,2'-Oxybis(1-Chloropropane)	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Hexachlorobenzene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	
Hexachlorobutadiene	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Hexachlorocyclopentadiene	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
Hexachloroethane	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
2-Chloronaphthalene	ND	0.0962	0.192	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
1,2,4-Trichlorobenzene	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
4-Bromophenyl phenyl ether	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Aniline	ND	0.481	0.962	ug/L	10	05/06/24 17:58	EPA 8270E	
4-Chloroaniline	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	
2-Nitroaniline	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
3-Nitroaniline	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
4-Nitroaniline	ND	1.92	3.85	ug/L	10	05/06/24 17:58	EPA 8270E	
Nitrobenzene	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
2,4-Dinitrotoluene	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
2,6-Dinitrotoluene	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Benzoic acid	ND	12.0	24.0	ug/L	10	05/06/24 17:58	EPA 8270E	
Benzyl alcohol	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
Isophorone	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Bis(2-Ethylhexyl) adipate	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
3,3'-Dichlorobenzidine	ND	4.81	9.62	ug/L	10	05/06/24 17:58	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
1,3-Dinitrobenzene	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
1,4-Dinitrobenzene	ND	2.40	4.81	ug/L	10	05/06/24 17:58	EPA 8270E	
Pyridine	ND	0.962	1.92	ug/L	10	05/06/24 17:58	EPA 8270E	
1,2-Dichlorobenzene	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
1,3-Dichlorobenzene	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
1,4-Dichlorobenzene	ND	0.240	0.481	ug/L	10	05/06/24 17:58	EPA 8270E	Q-30
Surrogate: Nitrobenzene-d5 (Surr)		Reco	very: 71 %	Limits: 44-120 %	10	05/06/24 17:58	EPA 8270E	Q-41
2-Fluorobiphenyl (Surr)			71 %	44-120 %	10	05/06/24 17:58	EPA 8270E	
Phenol-d6 (Surr)			21 %	10-133 %	10	05/06/24 17:58	EPA 8270E	Q-41

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-1-0424-DUP (A4E0805-05)				Matrix: Wate	r	Batch: 2	24E0175	
Surrogate: p-Terphenyl-d14 (Surr)		Reco	very: 89 %	Limits: 50-134 %	10	05/06/24 17:58	EPA 8270E	
2-Fluorophenol (Surr)			32 %	19-120 %	10	05/06/24 17:58	EPA 8270E	
2,4,6-Tribromophenol (Surr)			104 %	43-140 %	10	05/06/24 17:58	EPA 8270E	
R-2-0424 (A4E0805-06)				Matrix: Wate	r	Batch: 2	24E0175	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	A-01, AMEND
Acenaphthene	155	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	B, Q-30
Acenaphthylene	ND	2.67	2.67	ug/L	20	05/06/24 15:30	EPA 8270E	R-02
Anthracene	18.4	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Benz(a)anthracene	6.49	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Benzo(a)pyrene	2.35	0.333	0.667	ug/L	20	05/06/24 15:30	EPA 8270E	
Benzo(b)fluoranthene	3.29	0.333	0.667	ug/L	20	05/06/24 15:30	EPA 8270E	
Benzo(k)fluoranthene	1.24	0.333	0.667	ug/L	20	05/06/24 15:30	EPA 8270E	M-05
Benzo(g,h,i)perylene	0.504	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Chrysene	6.62	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Fluoranthene	48.5	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Fluorene	82.8	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Indeno(1,2,3-cd)pyrene	0.674	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
1-Methylnaphthalene	110	0.444	0.889	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30, B-0
2-Methylnaphthalene	20.4	0.444	0.889	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Naphthalene	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30, R-0
Phenanthrene	123	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Pyrene	37.8	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Carbazole	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	R-02
Dibenzofuran	59.6	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
2-Chlorophenol	ND	1.11	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
-Chloro-3-methylphenol	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	
2,4-Dichlorophenol	ND	2.22	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
2,4-Dimethylphenol	ND	5.56	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
2,4-Dinitrophenol	ND	5.56	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	5.56	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
2-Methylphenol	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Neimberg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Org	anic Compo	unds by EPA	4 8270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-2-0424 (A4E0805-06)				Matrix: W	ater	Batch:	24E0175	
3+4-Methylphenol(s)	ND	2.00	2.00	ug/L	20	05/06/24 15:30	EPA 8270E	R-02
2-Nitrophenol	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	
4-Nitrophenol	ND	4.89	4.89	ug/L	20	05/06/24 15:30	EPA 8270E	R-02
Pentachlorophenol (PCP)	12.8	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	
Phenol	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	1.11	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
2,4,5-Trichlorophenol	ND	1.11	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
2,4,6-Trichlorophenol	ND	1.11	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
Bis(2-ethylhexyl)phthalate	10.2	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
Butyl benzyl phthalate	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
Diethylphthalate	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
Dimethylphthalate	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
Di-n-butylphthalate	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
Di-n-octyl phthalate	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
N-Nitrosodimethylamine	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
N-Nitrosodiphenylamine	ND	10.4	10.4	ug/L	20	05/06/24 15:30	EPA 8270E	R-02
Bis(2-Chloroethoxy) methane	ND	2.44	2.44	ug/L	20	05/06/24 15:30	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
2,2'-Oxybis(1-Chloropropane)	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Hexachlorobenzene	ND	0.222	0.444	ug/L	20	05/06/24 15:30	EPA 8270E	
Hexachlorobutadiene	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Hexachlorocyclopentadiene	ND	1.11	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
Hexachloroethane	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
2-Chloronaphthalene	ND	0.889	0.889	ug/L	20	05/06/24 15:30	EPA 8270E	R-02, Q-3
1,2,4-Trichlorobenzene	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
4-Bromophenyl phenyl ether	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Aniline	ND	1.11	2.22	ug/L	20	05/06/24 15:30	EPA 8270E	
4-Chloroaniline	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	
2-Nitroaniline	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
3-Nitroaniline	ND	4.44	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	
4-Nitroaniline	ND	8.89	8.89	ug/L	20	05/06/24 15:30	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED REPORT

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Maul Foster & Alongi, INC.
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Project: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Org	anic Compo	ounds by EPA 8	270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-2-0424 (A4E0805-06)				Matrix: Wate	r	Batch: 2	24E0175	
Nitrobenzene	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	
2,4-Dinitrotoluene	ND	4.44	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	
2,6-Dinitrotoluene	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Benzoic acid	ND	27.8	55.6	ug/L	20	05/06/24 15:30	EPA 8270E	
Benzyl alcohol	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	
sophorone	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	
Azobenzene (1,2-DPH)	ND	1.11	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Bis(2-Ethylhexyl) adipate	ND	5.56	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
3,3'-Dichlorobenzidine	ND	11.1	22.2	ug/L	20	05/06/24 15:30	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	5.56	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
1,3-Dinitrobenzene	ND	5.56	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
1,4-Dinitrobenzene	ND	11.1	11.1	ug/L	20	05/06/24 15:30	EPA 8270E	
Pyridine	ND	2.22	4.44	ug/L	20	05/06/24 15:30	EPA 8270E	Q-42
1,2-Dichlorobenzene	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
1,3-Dichlorobenzene	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
1,4-Dichlorobenzene	ND	0.556	1.11	ug/L	20	05/06/24 15:30	EPA 8270E	Q-30
Surrogate: Nitrobenzene-d5 (Surr)		Reco	very: 71 %	Limits: 44-120 %	20	05/06/24 15:30	EPA 8270E	Q-41
2-Fluorobiphenyl (Surr)			85 %	44-120 %	20	05/06/24 15:30	EPA 8270E	
Phenol-d6 (Surr)			22 %	10-133 %	20	05/06/24 15:30	EPA 8270E	Q-41
p-Terphenyl-d14 (Surr)			83 %	50-134 %	20	05/06/24 15:30	EPA 8270E	
2-Fluorophenol (Surr)			31 %	19-120 %	20	05/06/24 15:30	EPA 8270E	
2,4,6-Tribromophenol (Surr)			113 %	43-140 %	20	05/06/24 15:30	EPA 8270E	
R-3-0424 (A4E0805-07)				Matrix: Wate	r	Batch: 2	24E0175	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	A-01, AMENI
Acenaphthene	175	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	B, Q-30
Acenaphthylene	ND	1.96	1.96	ug/L	50	05/06/24 18:34	EPA 8270E	R-02
Anthracene	8.70	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Benz(a)anthracene	1.31	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Benzo(a)pyrene	ND	0.735	1.47	ug/L	50	05/06/24 18:34	EPA 8270E	
Benzo(b)fluoranthene	ND	0.735	1.47	ug/L	50	05/06/24 18:34	EPA 8270E	
Benzo(k)fluoranthene	ND	0.735	1.47	ug/L	50	05/06/24 18:34	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: Ste

Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sen	iivoiatile Org	anic Compou	unus by EP/	- 02/UE			
A mail 4	Sample	Detection	Reporting	** *	D.1	Date	34 4 4= -	3.7
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
R-3-0424 (A4E0805-07)				Matrix: Wa	ater	Batch: .	24E0175	
Chrysene	1.09	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Fluoranthene	13.7	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Fluorene	63.2	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Indeno(1,2,3-cd)pyrene	ND	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
1-Methylnaphthalene	181	0.980	1.96	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30, B-0
2-Methylnaphthalene	171	0.980	1.96	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Phenanthrene	54.7	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Pyrene	10.2	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Carbazole	10.3	0.735	1.47	ug/L	50	05/06/24 18:34	EPA 8270E	
Dibenzofuran	63.5	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
2-Chlorophenol	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
4-Chloro-3-methylphenol	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
2,4-Dichlorophenol	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
2,4-Dimethylphenol	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
2,4-Dinitrophenol	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
2-Methylphenol	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
3+4-Methylphenol(s)	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
2-Nitrophenol	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
4-Nitrophenol	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
Pentachlorophenol (PCP)	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
Phenol	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
2,4,5-Trichlorophenol	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
2,4,6-Trichlorophenol	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
Butyl benzyl phthalate	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
Diethylphthalate	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
Dimethylphthalate	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
Di-n-butylphthalate	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
Di-n-octyl phthalate	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
N-Nitrosodimethylamine	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	

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Philip Marenberg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sem	nivolatile Org	anic Compοι	ınds by EPA	4 8270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-3-0424 (A4E0805-07)				Matrix: Wa	ater	Batch:	24E0175	
N-Nitroso-di-n-propylamine	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
N-Nitrosodiphenylamine	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
2,2'-Oxybis(1-Chloropropane)	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Hexachlorobenzene	ND	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	
Hexachlorobutadiene	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Hexachlorocyclopentadiene	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
Hexachloroethane	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
2-Chloronaphthalene	ND	0.490	0.980	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
1,2,4-Trichlorobenzene	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
4-Bromophenyl phenyl ether	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Aniline	ND	2.45	4.90	ug/L	50	05/06/24 18:34	EPA 8270E	
4-Chloroaniline	ND	2.45	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
2-Nitroaniline	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
3-Nitroaniline	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
4-Nitroaniline	ND	9.80	19.6	ug/L	50	05/06/24 18:34	EPA 8270E	
Nitrobenzene	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
2,4-Dinitrotoluene	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
2,6-Dinitrotoluene	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Benzoic acid	ND	61.3	123	ug/L	50	05/06/24 18:34	EPA 8270E	
Benzyl alcohol	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
Isophorone	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	
Azobenzene (1,2-DPH)	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
Bis(2-Ethylhexyl) adipate	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
3,3'-Dichlorobenzidine	ND	24.5	49.0	ug/L	50	05/06/24 18:34	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
1,3-Dinitrobenzene	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
1,4-Dinitrobenzene	ND	12.3	24.5	ug/L	50	05/06/24 18:34	EPA 8270E	
Pyridine	ND	4.90	9.80	ug/L	50	05/06/24 18:34	EPA 8270E	
1,2-Dichlorobenzene	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30
1,3-Dichlorobenzene	ND	1.23	2.45	ug/L	50	05/06/24 18:34	EPA 8270E	Q-30

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R-3-0424 (A4E0805-07)	Result	Limit	Lillit	Matrix: Wate			24E0175	INUICS
1,4-Dichlorobenzene	ND	1.22	2.45			05/06/24 18:34	EPA 8270E	Q-30
	ND	1.23	2.45	ug/L	50			
Surrogate: Nitrobenzene-d5 (Surr)		Recovery): 61 % 82 %	Limits: 44-120 % 44-120 %		05/06/24 18:34	EPA 8270E EPA 8270E	S-05
2-Fluorobiphenyl (Surr) Phenol-d6 (Surr)			82 % 18 %	44-120 % 10-133 %		05/06/24 18:34 05/06/24 18:34	EPA 8270E EPA 8270E	S-05 S-05
p-Terphenyl-d14 (Surr)			80 %	50-134 %		05/06/24 18:34	EPA 8270E	S-05
2-Fluorophenol (Surr)			25 %	19-120 %		05/06/24 18:34	EPA 8270E	S-05
2,4,6-Tribromophenol (Surr)			79 %	43-140 %		05/06/24 18:34	EPA 8270E	S-05
R-3-0424 (A4E0805-07RE1)				Matrix: Wate	r	Batch:	24E0175	
Naphthalene	565	9.80	19.6	ug/L	500	05/06/24 21:34	EPA 8270E	B-02
Field-0424 (A4E0805-10)				Matrix: Wate	r	Batch:	24E0175	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	A-01, AMENI
Acenaphthene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Acenaphthylene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Anthracene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Benz(a)anthracene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Benzo(a)pyrene	ND	0.0165	0.0330	ug/L	1	05/06/24 19:10	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0165	0.0330	ug/L	1	05/06/24 19:10	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0165	0.0330	ug/L	1	05/06/24 19:10	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Chrysene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Fluoranthene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Fluorene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Indeno(1,2,3-cd)pyrene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
1-Methylnaphthalene	ND	0.0220	0.0440	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
2-Methylnaphthalene	ND	0.0220	0.0440	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Naphthalene	ND	0.0440	0.0440	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Phenanthrene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Pyrene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Carbazole	ND	0.0165	0.0330	ug/L	1	05/06/24 19:10	EPA 8270E	
Dibenzofuran	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
2-Chlorophenol	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	-

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Philip Monterg

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Org	anic Compo	unds by EPA	4 8270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Field-0424 (A4E0805-10)				Matrix: W	ater	Batch:	24E0175	
4-Chloro-3-methylphenol	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
2,4-Dichlorophenol	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	
2,4-Dimethylphenol	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
2,4-Dinitrophenol	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
2-Methylphenol	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
2-Nitrophenol	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
4-Nitrophenol	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
Phenol	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
Butyl benzyl phthalate	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
Diethylphthalate	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
Dimethylphthalate	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
Di-n-butylphthalate	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
Di-n-octyl phthalate	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
N-Nitrosodimethylamine	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
N-Nitrosodiphenylamine	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
2,2'-Oxybis(1-Chloropropane)	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Hexachlorobenzene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	
Hexachlorobutadiene	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Hexachlorocyclopentadiene	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	
Hexachloroethane	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
2-Chloronaphthalene	ND	0.0110	0.0220	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
1,2,4-Trichlorobenzene	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
4-Bromophenyl phenyl ether	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30

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Portland, OR 97232

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Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

ANALYTICAL SAMPLE RESULTS

		nivolatile Organ	-	Julius Dy EFA 0	,			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
•	Acoust	Limit	Ziiiit					TNOTE
Field-0424 (A4E0805-10)				Matrix: Wate	er	Batch: 2	24E0175	
Aniline	ND	0.0549	0.110	ug/L	1	05/06/24 19:10	EPA 8270E	
4-Chloroaniline	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
2-Nitroaniline	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
3-Nitroaniline	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
4-Nitroaniline	ND	0.220	0.440	ug/L	1	05/06/24 19:10	EPA 8270E	
Nitrobenzene	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
2,4-Dinitrotoluene	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
2,6-Dinitrotoluene	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Benzoic acid	ND	2.75	2.75	ug/L	1	05/06/24 19:10	EPA 8270E	
Benzyl alcohol	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
Isophorone	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Bis(2-Ethylhexyl) adipate	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
3,3'-Dichlorobenzidine	ND	0.549	1.10	ug/L	1	05/06/24 19:10	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
1,3-Dinitrobenzene	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
1,4-Dinitrobenzene	ND	0.275	0.549	ug/L	1	05/06/24 19:10	EPA 8270E	
Pyridine	ND	0.110	0.220	ug/L	1	05/06/24 19:10	EPA 8270E	
1,2-Dichlorobenzene	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
1,3-Dichlorobenzene	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
1,4-Dichlorobenzene	ND	0.0275	0.0549	ug/L	1	05/06/24 19:10	EPA 8270E	Q-30
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	: 76%	Limits: 44-120 %	1	05/06/24 19:10	EPA 8270E	Q-41
2-Fluorobiphenyl (Surr)			69 %	44-120 %	1	05/06/24 19:10	EPA 8270E	
Phenol-d6 (Surr)			31 %	10-133 %	1	05/06/24 19:10	EPA 8270E	Q-41
p-Terphenyl-d14 (Surr)			96 %	50-134 %	1	05/06/24 19:10	EPA 8270E	
2-Fluorophenol (Surr)			37 %	19-120 %		05/06/24 19:10	EPA 8270E	
2,4,6-Tribromophenol (Surr)			82 %	43-140 %	1	05/06/24 19:10	EPA 8270E	
Field-0424 (A4E0805-10RE1)				Matrix: Wate	er	Batch:	24E0175	
3+4-Methylphenol(s)	0.0778	0.0275	0.0549	ug/L	1	05/07/24 15:07	EPA 8270E	

Apex Laboratories

Philip Nevenberg

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AMENDED 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:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24E0134 - EPA 3510C (Acid Extraction) Water Blank (24E0134-BLK1) Prepared: 05/03/24 08:46 Analyzed: 05/03/24 17:55 EPA 8270E 2,3,4,6- & 2,3,4,5-Tetrachlorophenol(ND) 0.1000.200 ug/L A-01, AMEND 0.0100 0.0200 ND ug/L 1 Acenaphthene Acenaphthylene ND 0.0100 0.0200 ug/L 1 Anthracene ND 0.0100 0.0200 ug/L 1 Benz(a)anthracene ND 0.01000.0200 ug/L 1 Benzo(a)pyrene ND 0.0150 0.0300 1 ug/L ---------ND 0.0150 0.0300 Benzo(b)fluoranthene ug/L 1 0.0300 Benzo(k)fluoranthene ND 0.0150 ug/L 1 Benzo(g,h,i)perylene ND 0.0100 0.0200 ug/L 1 Chrysene ND 0.0100 0.0200 ug/L 1 Dibenz(a,h)anthracene 0.0100 ND 0.0200 ug/L 1 Fluoranthene 0.0100 0.0200 ND ug/L 1 Fluorene ND 0.01000.0200 ug/L 1 ND 0.0100 Indeno(1,2,3-cd)pyrene 0.0200ug/L 1 1-Methylnaphthalene ND 0.02000.0400ug/L 1 2-Methylnaphthalene ND 0.0200 0.0400 ug/L 1 Naphthalene ND 0.0200 0.0400 ug/L 1 ------Phenanthrene ND 0.0100 0.0200ug/L 1 ND 0.0100 0.0200Pyrene ug/L 1 ---ND 0.0150 0.0300 Carbazole ug/L 1 Dibenzofuran 0.0100 0.0200 ND ug/L 1 2-Chlorophenol ND 0.0500 0.100 ug/L 1 4-Chloro-3-methylphenol ND 0.100 0.200 ug/L 1 ------------2,4-Dichlorophenol ND 0.0500 0.100 ug/L 2,4-Dimethylphenol ND 0.250 0.500 ug/L 1 ---2,4-Dinitrophenol ND 0.250 0.500 ug/L ND ug/L 4,6-Dinitro-2-methylphenol 0.250 0.500 1 2-Methylphenol ND 0.02500.0500ug/L 1 3+4-Methylphenol(s) ND 0.0250 0.0500 ug/L 1 ------------2-Nitrophenol ND 0.100 0.200 ug/L 1 4-Nitrophenol ND 0.100 0.200 ug/L 1 ---Pentachlorophenol (PCP) ND 0.100 0.200 ug/L 1 Phenol ND 0.200 0.400 ug/L 1

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Philip Merenberg

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Philip Nerenberg, Lab Director

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AMENDED 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:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

		Selecte	d Semivola	atile Orga	nic Com	pounds b	y EPA 82	270E				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (A	Acid Extra	ction)					Wa	ter				
Blank (24E0134-BLK1)			Prepared	: 05/03/24 (08:46 Ana	lyzed: 05/03	/24 17:55					
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
Bis(2-ethylhexyl)phthalate	ND	0.200	0.400	ug/L	1							
Butyl benzyl phthalate	ND	0.200	0.400	ug/L	1							
Diethylphthalate	ND	0.200	0.400	ug/L	1							
Dimethylphthalate	ND	0.200	0.400	ug/L	1							
Di-n-butylphthalate	ND	0.200	0.400	ug/L	1							
Di-n-octyl phthalate	ND	0.200	0.400	ug/L	1							
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 93 %	Limits: 44	!-120 %	Dilı	ution: 1x					
2-Fluorobiphenyl (Surr)			79 %		-120 %		"					
Phenol-d6 (Surr)			32 %	10	-133 %		"					
p-Terphenyl-d14 (Surr)			96 %	50	-134 %		"					
2-Fluorophenol (Surr)			47 %	19	-120 %		"					
2,4,6-Tribromophenol (Surr)			85 %	43	-140 %		"					
LCS (24E0134-BS1)			Prepared	: 05/03/24 (08:46 Ana	lyzed: 05/03	/24 18:30					
EPA 8270E				~								
Acenaphthene	3.71	0.0400	0.0800	ug/L	4	4.00		93	47-122%			
Acenaphthylene	4.22	0.0400	0.0800	ug/L	4	4.00		105	41-130%			
Anthracene	4.16	0.0400	0.0800	ug/L	4	4.00		104	57-123%			
Benz(a)anthracene	4.08	0.0400	0.0800	ug/L	4	4.00		102	58-125%			
Benzo(a)pyrene	4.06	0.0600	0.120	ug/L	4	4.00		101	54-128%			
Benzo(b)fluoranthene	4.14	0.0600	0.120	ug/L	4	4.00		104	53-131%			
Benzo(k)fluoranthene	4.16	0.0600	0.120	ug/L	4	4.00		104	57-129%			
Benzo(g,h,i)perylene	4.17	0.0400	0.0800	ug/L	4	4.00		104	50-134%			
Chrysene	4.03	0.0400	0.0800	ug/L	4	4.00		101	59-123%			
Dibenz(a,h)anthracene	3.92	0.0400	0.0800	ug/L	4	4.00		98	51-134%			
Fluoranthene	4.39	0.0400	0.0800	ug/L	4	4.00		110	57-128%			
Fluorene	4.22	0.0400	0.0800	ug/L	4	4.00		105	52-124%			
Indeno(1,2,3-cd)pyrene	3.78	0.0400	0.0800	ug/L	4	4.00		95	52-134%			
1-Methylnaphthalene	3.62	0.0800	0.160	ug/L	4	4.00		91	41-120%			
2-Methylnaphthalene	3.58	0.0800	0.160	ug/L	4	4.00		90	40-121%			
Naphthalene	3.50	0.0800	0.160	ug/L	4	4.00		87	40-121%			

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Philip Newsberg

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Philip Nerenberg, Lab Director

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AMENDED 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: St

Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

		Selecte	d Semivola	atile Orga	anic Com	pounds b	y EPA 82	270E				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0134 - EPA 3510C (Acid Extra	ction)					Wa	ter				
LCS (24E0134-BS1)			Prepared	: 05/03/24	08:46 Anal	yzed: 05/03/	/24 18:30					
Phenanthrene	4.07	0.0400	0.0800	ug/L	4	4.00		102	59-120%			
Pyrene	4.25	0.0400	0.0800	ug/L	4	4.00		106	57-126%			
Carbazole	4.46	0.0600	0.120	ug/L	4	4.00		112	60-122%			
Dibenzofuran	4.01	0.0400	0.0800	ug/L	4	4.00		100	53-120%			
2-Chlorophenol	3.28	0.200	0.400	ug/L	4	4.00		82	38-120%			
4-Chloro-3-methylphenol	4.12	0.400	0.800	ug/L	4	4.00		103	52-120%			Q-4
2,4-Dichlorophenol	4.10	0.200	0.400	ug/L	4	4.00		102	47-121%			Q-4
2,4-Dimethylphenol	2.79	1.00	2.00	ug/L	4	4.00		70	31-124%			
2,4-Dinitrophenol	5.00	1.00	2.00	ug/L	4	4.00		125	23-143%			Q-4
4,6-Dinitro-2-methylphenol	4.76	1.00	2.00	ug/L	4	4.00		119	44-137%			Q-4
2-Methylphenol	2.70	0.100	0.200	ug/L	4	4.00		68	30-120%			
3+4-Methylphenol(s)	2.65	0.100	0.200	ug/L	4	4.00		66	29-120%			
2-Nitrophenol	3.72	0.400	0.800	ug/L	4	4.00		93	47-123%			
4-Nitrophenol	1.72	0.400	0.800	ug/L	4	4.00		43	10-120%			Q-4
Pentachlorophenol (PCP)	4.02	0.400	0.800	ug/L	4	4.00		101	35-138%			
Phenol	1.17	0.800	0.800	ug/L	4	4.00		29	10-120%			
2,3,4,6-Tetrachlorophenol	4.24	0.200	0.400	ug/L	4	4.00		106	50-128%			
2,3,5,6-Tetrachlorophenol	4.49	0.200	0.400	ug/L	4	4.00		112	50-121%			Q-4
2,4,5-Trichlorophenol	4.94	0.200	0.400	ug/L	4	4.00		124	53-123%			Q-29, Q-4
2,4,6-Trichlorophenol	4.49	0.200	0.400	ug/L	4	4.00		112	50-125%			Q-4
Bis(2-ethylhexyl)phthalate	4.06	0.800	1.60	ug/L	4	4.00		101	55-135%			
Butyl benzyl phthalate	4.20	0.800	1.60	ug/L	4	4.00		105	53-134%			
Diethylphthalate	4.12	0.800	1.60	ug/L	4	4.00		103	56-125%			
Dimethylphthalate	4.28	0.800	1.60	ug/L	4	4.00		107	45-127%			
Di-n-butylphthalate	4.41	0.800	1.60	ug/L	4	4.00		110	59-127%			
Di-n-octyl phthalate	4.05	0.800	1.60	ug/L	4	4.00		101	51-140%			
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 92 %	Limits: 44	1-120 %	Dilı	ıtion: 4x					
2-Fluorobiphenyl (Surr)			95 %		-120 %		"					
Phenol-d6 (Surr)			29 %		133 %		"					
p-Terphenyl-d14 (Surr)			105 %		134 %		"					
2-Fluorophenol (Surr)			49 %		-120 %		"					
2,4,6-Tribromophenol (Surr)			115 %		-140 %		"					

Prepared: 05/03/24 08:46 Analyzed: 05/03/24 19:04

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LCS Dup (24E0134-BSD1)

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Philip Memberg

Philip Nerenberg, Lab Director

Q-19



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project:

3140 NE Broadway Street Project Number: M0022.04.002

Portland, OR 97232 Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Stella-Jones Corporation Eugene

Selected Semivolatile Organic Compounds by EPA 8270E Detection Reporting % REC RPD Spike Source Analyte Result Limit Units Dilution % REC RPD Limit Notes Limit Amount Result Limits Batch 24E0134 - EPA 3510C (Acid Extraction) Water LCS Dup (24E0134-BSD1) Prepared: 05/03/24 08:46 Analyzed: 05/03/24 19:04 Q-19 EPA 8270E 3.70 0.0400 0.0800 ug/L 4 4.00 92 47-122% 0.4 30% Acenaphthene 0.0800 4 4.00 107 30% 4.28 0.0400 ug/L 41-130% 1 Acenaphthylene Anthracene 4.21 0.0400 0.0800 ug/L 4 4.00 105 57-123% 1 30% ug/L 58-125% Benz(a)anthracene 4.13 0.0400 0.0800 4 4.00 103 30% 1 Benzo(a)pyrene 4.11 0.0600 0.120 ug/L 4 4.00 103 54-128% 1 30% 4 104 53-131% 30% Benzo(b)fluoranthene 4.15 0.0600 0.120 ug/L 4.00 0.2 Benzo(k)fluoranthene 4.13 0.0600 0.120 4 4.00 103 57-129% 0.7 30% ug/L 0.0400 0.0800 4 Benzo(g,h,i)perylene 4.18 4 00 104 50-134% 0.3 30% ug/L Chrysene 4.00 0.0400 0.0800ug/L 4 4.00 100 59-123% 0.7 30% Dibenz(a,h)anthracene 3.92 0.0400 0.0800 ug/L 4 4.00 98 51-134% 0.07 30% Fluoranthene 4.42 0.04000.0800ug/L 4 4.00 111 57-128% 0.7 30% 4.26 0.0400 0.0800 4 4.00 106 52-124% 30% Fluorene ug/L 1 Indeno(1,2,3-cd)pyrene 3.77 0.0400 0.0800ug/L 4 4.00 94 52-134% 0.2 30% 1-Methylnaphthalene 3.74 0.0800 0.160 4 4.00 93 41-120% 3 30% ug/L 2-Methylnaphthalene 3.75 0.08000.160 ug/L 4 4.00 94 40-121% 5 30% Naphthalene 3.65 0.0800 0.160 ug/L 4 4.00 91 40-121% 4 30% Phenanthrene 4.02 0.0400 0.0800ug/L 4 4.00 100 59-120% 1 30% Pyrene 4.29 0.0400 0.08004 4.00 107 57-126% 0.9 30% ug/L 4 Carbazole 4.52 0.0600 0.120 ug/L 4.00 113 60-122% 1 30% Dibenzofuran 4.16 0.0400 0.0800 ug/L 4 4.00 104 53-120% 4 30% 4 38-120% 30% 2-Chlorophenol 3.37 0.2000.400 ug/L 4.00 84 3 ug/L Q-41 4-Chloro-3-methylphenol 4.35 0.400 0.800 4 4.00 109 52-120% 5 30% Q-41 0.200 0.400 4 2,4-Dichlorophenol 4.28 ug/L 4.00 107 47-121% 4 30% 2,4-Dimethylphenol 2.88 1.00 2.00 ug/L 4 4.00 72 31-124% 3 30% Q-41 2,4-Dinitrophenol 1.00 2.00 4 8 30% 5.41 ug/L 4.00 135 23-143% 4 Q-41 4,6-Dinitro-2-methylphenol 5.12 1.00 2.00 ug/L 4.00 128 44-137% 7 30% 4 72 7 30% 2-Methylphenol 2.89 0.100 0.200ug/L 4.00 30-120% 3+4-Methylphenol(s) 2.83 0.100 0.200 ug/L 4 4.00 71 29-120% 7 30% 2-Nitrophenol 0.4000.8004 4.00 96 47-123% 3 30% 3.83 ug/L 4 Q-41 4-Nitrophenol 1.89 0.4000.800ug/L 4.00 47 10-120% 9 30% 4 Pentachlorophenol (PCP) 3.99 0.400 0.800 ug/L 4.00 100 35-138% 0.8 30% 4 Phenol 1.23 0.800 0.800 ug/L 4.00 31 10-120% 5 30% 2,3,4,6-Tetrachlorophenol 4.26 0.200 0.400 4 107 50-128% 0.6 30% ug/L 4.00

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Philip Manherz

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Philip Nerenberg, Lab Director

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E Detection Reporting % REC RPD Spike Source Dilution Analyte Result Limit Units % REC RPD Limit Notes Limit Amount Result Limits Batch 24E0134 - EPA 3510C (Acid Extraction) Water LCS Dup (24E0134-BSD1) Prepared: 05/03/24 08:46 Analyzed: 05/03/24 19:04 Q-19 2,3,5,6-Tetrachlorophenol 4.58 0.200 0.400 ug/L 4.00 114 50-121% 2 30% Q-41 2,4,5-Trichlorophenol 0.200 0.400 Q-29, Q-41 5.10 ug/L 4 4.00 127 53-123% 3 30% Q-41 0.400 2,4,6-Trichlorophenol 4.53 0.200ug/L 4 4.00 113 50-125% 0.9 30% Bis(2-ethylhexyl)phthalate 3.91 0.8001.60 ug/L 4 4.00 98 55-135% 4 30% 105 30% Butyl benzyl phthalate 4.19 0.8001.60 ug/L 4 4.00 53-134% 0.1 Diethylphthalate 4 103 56-125% 0.05 30% 4.12 0.800 1.60 ug/L 4.00 Dimethylphthalate 0.8004 4.23 1.60 ug/L 4.00 106 45-127% 1 30% Di-n-butylphthalate 4.47 0.800 1.60 ug/L 4 4.00 112 59-127% 30% 1 0.800 Di-n-octyl phthalate 3.95 1.60 4 4.00 99 51-140% 3 ug/L 30% Surr: Nitrobenzene-d5 (Surr) Recovery: 95 % Limits: 44-120 % Dilution: 4x 2-Fluorobiphenyl (Surr) 91% 44-120 % Phenol-d6 (Surr) 30 % 10-133 % p-Terphenyl-d14 (Surr) 101 % 50-134 % 49 % 19-120 % 2-Fluorophenol (Surr) 2,4,6-Tribromophenol (Surr) 111 % 43-140 %

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Philip Nevenberg

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

Project:

Stella-Jones Corporation Eugene

3140 NE Broadway Street Project Number: M0022.04.002
Portland, OR 97232 Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24E0175 - EPA 3510C (Acid/Base Neutral) Water Blank (24E0175-BLK1) Prepared: 05/06/24 06:20 Analyzed: 05/06/24 14:17 EPA 8270E 2,3,4,6- & 2,3,4,5-Tetrachlorophenol(ND) 0.1000.200 ug/L A-01, AMEND 0.0200 0.0306 0.0100 ug/L 1 B, Q-30 Acenaphthene Acenaphthylene ND 0.0100 0.0200 ug/L 1 Anthracene ND 0.0100 0.0200 ug/L 1 Benz(a)anthracene ND 0.01000.0200 ug/L 1 Benzo(a)pyrene ND 0.0150 0.0300 ug/L 1 ------ND 0.0150 0.0300 Benzo(b)fluoranthene ug/L 1 0.0300 Benzo(k)fluoranthene ND 0.0150 ug/L 1 Benzo(g,h,i)perylene ND 0.0100 0.0200 ug/L 1 Chrysene ND 0.0100 0.0200 ug/L 1 Dibenz(a,h)anthracene 0.0100 ND 0.0200 ug/L 1 Fluoranthene 0.0100 0.0200 ND ug/L 1 Q-30 Fluorene ND 0.01000.0200 ug/L 1 ND 0.0100 Indeno(1,2,3-cd)pyrene 0.0200ug/L 1 B-02, Q-30, J 1-Methylnaphthalene 0.0373 0.02000.0400ug/L 1 2-Methylnaphthalene ND 0.0200 0.0400 ug/L 1 Q-30 Naphthalene 0.0298 0.0200 B-02, Q-30, J 0.0400 ug/L 1 ---------Phenanthrene ND 0.0100 0.0200ug/L 1 ND 0.0100 0.0200Pyrene ug/L 1 ---ND 0.0150 0.0300 Carbazole ug/L 1 Q-30 Dibenzofuran 0.0100 0.0200 ND ug/L 1 2-Chlorophenol ND 0.0500 0.100 ug/L 1 4-Chloro-3-methylphenol ND 0.100 0.200 ug/L 1 ---------2,4-Dichlorophenol ND 0.0500 0.100 ug/L 2,4-Dimethylphenol ND 0.250 0.500 ug/L 1 2,4-Dinitrophenol ND 0.250 0.500 ug/L ND ug/L 4,6-Dinitro-2-methylphenol 0.250 0.500 1 2-Methylphenol ND 0.0250 0.0500ug/L 1 3+4-Methylphenol(s) ND 0.0250 0.0500 ug/L 1 ------------2-Nitrophenol ND 0.100 0.200 ug/L 1 4-Nitrophenol ND 0.100 0.200 ug/L 1 Pentachlorophenol (PCP) ND 0.100 0.200 ug/L 1 Phenol ND 0.200 0.400 ug/L 1

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
 Project Number: M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager: Cody Schweitzer
 A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Limit Limit Amount Result Limits Limit Notes Batch 24E0175 - EPA 3510C (Acid/Base Neutral) Water Blank (24E0175-BLK1) Prepared: 05/06/24 06:20 Analyzed: 05/06/24 14:17 ND 0.0500 0.100 ug/L 2,3,4,6-Tetrachlorophenol 0.0500 0.100 2,3,5,6-Tetrachlorophenol ND ug/L 1 ---------2,4,5-Trichlorophenol ND 0.0500 0.100 ug/L 1 2,4,6-Trichlorophenol ND 0.05000.100 ug/L 1 Bis(2-ethylhexyl)phthalate ND 0.2000.400 ug/L 1 Butyl benzyl phthalate ND 0.200 0.400 ug/L 1 Diethylphthalate ND 0.200 0.400ug/L 1 0.400 Dimethylphthalate ND 0.200 ug/L 1 0.200 0.400 Di-n-butylphthalate ND ug/L 1 Di-n-octyl phthalate ND 0.2000.400 ug/L 1 N-Nitrosodimethylamine ND 0.02500.0500 ug/L 1 0.0250 0.0500 Q-30 N-Nitroso-di-n-propylamine ND ug/L 1 ND 0.0250 N-Nitrosodiphenylamine 0.0500 ug/L 1 ------Bis(2-Chloroethoxy) methane ND 0.0250 0.0500ug/L 1 O-30 Bis(2-Chloroethyl) ether ND 0.0250 0.0500 ug/L 1 2,2'-Oxybis(1-Chloropropane) ND 0.0250 0.0500 ug/L Q-30 Hexachlorobenzene ND 0.0100 0.0200 ug/L 1 Hexachlorobutadiene ND 0.0250 0.0500 1 Q-30 ug/L Hexachlorocyclopentadiene ND 0.0500 0.100 ug/L 1 ------Hexachloroethane ND 0.0250 0.0500ug/L Q-30 2-Chloronaphthalene ND 0.0100 0.0200 O-30 ug/L 1 ------1,2,4-Trichlorobenzene ND 0.0250 0.0500 ug/L 1 Q-30 4-Bromophenyl phenyl ether ND 0.0250 0.0500 ug/L 1 4-Chlorophenyl phenyl ether ND 0.0250 0.0500ug/L 1 Q-30 ND 0.0500 Aniline 0.100 ug/L 1 ---------------4-Chloroaniline ND 0.0250 0.0500 ug/L 1 2-Nitroaniline ND 0.200 0.400 ug/L 1 ---------3-Nitroaniline ND 0.200 0.400 ug/L 1 4-Nitroaniline ND 0.200 0.400 ug/L 1 Nitrobenzene ND 0.1000.200 ug/L 1 ND 0.100 0.200 2.4-Dinitrotoluene ug/L 1 Q-30 2,6-Dinitrotoluene ND 0.100 0.200 ug/L 1 Benzoic acid ND 1.25 2.50 ug/L 1 Benzyl alcohol ND 0.1000.200 ug/L 1

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Philip Nerenberg, Lab Director

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AMENDED 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:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

		Sei	mivolatile (Organic	Compoun	ds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (A	Acid/Base	Neutral)					Wa	ter				
Blank (24E0175-BLK1)			Prepared	: 05/06/24	06:20 Anal	lyzed: 05/06	/24 14:17					
Isophorone	ND	0.0250	0.0500	ug/L	1							
Azobenzene (1,2-DPH)	ND	0.0250	0.0500	ug/L	1							Q-3
Bis(2-Ethylhexyl) adipate	ND	0.250	0.500	ug/L	1							
3,3'-Dichlorobenzidine	ND	0.500	1.00	ug/L	1							Q-5
1,2-Dinitrobenzene	ND	0.250	0.500	ug/L	1							
1,3-Dinitrobenzene	ND	0.250	0.500	ug/L	1							
1,4-Dinitrobenzene	ND	0.250	0.500	ug/L	1							
Pyridine	ND	0.100	0.200	ug/L	1							
1,2-Dichlorobenzene	ND	0.0250	0.0500	ug/L	1							Q-3
1,3-Dichlorobenzene	ND	0.0250	0.0500	ug/L	1							Q-3
1,4-Dichlorobenzene	ND	0.0250	0.0500	ug/L	1							Q-3
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 65 %	Limits: 44	4-120 %	Dilı	ution: 1x					Q-41
2-Fluorobiphenyl (Surr)			59 %	44	1-120 %		"					
Phenol-d6 (Surr)			29 %	10)-133 %		"					Q-41
p-Terphenyl-d14 (Surr)			89 %	50)-134 %		"					
2-Fluorophenol (Surr)			35 %	19	0-120 %		"					
2,4,6-Tribromophenol (Surr)			68 %	43	3-140 %		"					
LCS (24E0175-BS1)			Prepared	: 05/06/24	06:20 Anal	lyzed: 05/06	/24 14:54					
<u>EPA 8270E</u>			1			<u>, </u>						
Acenaphthene	1.63	0.0400	0.0800	ug/L	4	4.00		41	47-122%			Q-30, I
Acenaphthylene	1.84	0.0400	0.0800	ug/L	4	4.00		46	41-130%			
Anthracene	2.71	0.0400	0.0800	ug/L	4	4.00		68	57-123%			
Benz(a)anthracene	3.10	0.0400	0.0800	ug/L	4	4.00		78	58-125%			
Benzo(a)pyrene	3.37	0.0600	0.120	ug/L	4	4.00		84	54-128%			
Benzo(b)fluoranthene	3.24	0.0600	0.120	ug/L	4	4.00		81	53-131%			
Benzo(k)fluoranthene	3.26	0.0600	0.120	ug/L	4	4.00		82	57-129%			
Benzo(g,h,i)perylene	3.14	0.0400	0.0800	ug/L	4	4.00		78	50-134%			
Chrysene	3.22	0.0400	0.0800	ug/L	4	4.00		80	59-123%			
Dibenz(a,h)anthracene	3.10	0.0400	0.0800	ug/L	4	4.00		77	51-134%			
Fluoranthene	3.15	0.0400	0.0800	ug/L	4	4.00		79	57-128%			
Fluorene	2.04	0.0400	0.0800	ug/L	4	4.00		51	52-124%			Q-3
Indeno(1,2,3-cd)pyrene	3.01	0.0400	0.0800	ug/L	4	4.00		75	52-134%			
1-Methylnaphthalene	1.30	0.0800	0.160	ug/L	4	4.00		33	41-120%			B-02, Q-3

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AMENDED 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:

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Stella-Jones Corporation Eugene

Report ID: A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (A	cid/Base	Neutral)					Wa	ter				
LCS (24E0175-BS1)			Prepared	: 05/06/24	06:20 Anal	yzed: 05/06	/24 14:54					
2-Methylnaphthalene	1.22	0.0800	0.160	ug/L	4	4.00		30	40-121%			Q-30
Naphthalene	1.05	0.0800	0.160	ug/L	4	4.00		26	40-121%			Q-30, B-02
Phenanthrene	2.67	0.0400	0.0800	ug/L	4	4.00		67	59-120%			
Pyrene	3.09	0.0400	0.0800	ug/L	4	4.00		77	57-126%			
Carbazole	3.24	0.0600	0.120	ug/L	4	4.00		81	60-122%			
Dibenzofuran	1.86	0.0400	0.0800	ug/L	4	4.00		47	53-120%			Q-30
2-Chlorophenol	1.76	0.200	0.400	ug/L	4	4.00		44	38-120%			
4-Chloro-3-methylphenol	2.48	0.400	0.800	ug/L	4	4.00		62	52-120%			
2,4-Dichlorophenol	2.36	0.200	0.400	ug/L	4	4.00		59	47-121%			Q-41
2,4-Dimethylphenol	1.98	1.00	1.00	ug/L	4	4.00		50	31-124%			
2,4-Dinitrophenol	1.65	1.00	1.00	ug/L	4	4.00		41	23-143%			
4,6-Dinitro-2-methylphenol	2.44	1.00	2.00	ug/L	4	4.00		61	44-137%			
2-Methylphenol	1.84	0.100	0.200	ug/L	4	4.00		46	30-120%			Q-41
3+4-Methylphenol(s)	1.99	0.100	0.200	ug/L	4	4.00		50	29-120%			Q-41
2-Nitrophenol	2.44	0.400	0.800	ug/L	4	4.00		61	47-123%			
4-Nitrophenol	0.983	0.400	0.800	ug/L	4	4.00		25	10-120%			
Pentachlorophenol (PCP)	2.24	0.400	0.800	ug/L	4	4.00		56	35-138%			
Phenol	0.884	0.800	0.800	ug/L	4	4.00		22	10-120%			Q-41
2,3,4,6-Tetrachlorophenol	2.74	0.200	0.400	ug/L	4	4.00		68	50-128%			
2,3,5,6-Tetrachlorophenol	2.63	0.200	0.400	ug/L	4	4.00		66	50-121%			
2,4,5-Trichlorophenol	2.43	0.200	0.400	ug/L	4	4.00		61	53-123%			
2,4,6-Trichlorophenol	2.08	0.200	0.400	ug/L	4	4.00		52	50-125%			
Bis(2-ethylhexyl)phthalate	3.30	0.800	1.60	ug/L	4	4.00		82	55-135%			
Butyl benzyl phthalate	3.26	0.800	1.60	ug/L	4	4.00		82	53-134%			
Diethylphthalate	2.64	0.800	1.60	ug/L	4	4.00		66	56-125%			
Dimethylphthalate	2.30	0.800	1.60	ug/L	4	4.00		58	45-127%			
Di-n-butylphthalate	3.18	0.800	1.60	ug/L	4	4.00		80	59-127%			
Di-n-octyl phthalate	3.11	0.800	1.60	ug/L	4	4.00		78	51-140%			
N-Nitrosodimethylamine	0.804	0.100	0.200	ug/L	4	4.00		20	19-120%			
N-Nitroso-di-n-propylamine	1.88	0.100	0.200	ug/L	4	4.00		47	49-120%			Q-30
N-Nitrosodiphenylamine	2.77	0.100	0.200	ug/L	4	4.00		69	51-123%			
Bis(2-Chloroethoxy) methane	2.16	0.100	0.200	ug/L	4	4.00		54	48-120%			
Bis(2-Chloroethyl) ether	1.48	0.100	0.200	ug/L	4	4.00		37	43-120%			Q-30
2,2'-Oxybis(1-Chloropropane)	1.47	0.100	0.200	ug/L	4	4.00		37	41-120%			Q-30

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

•						-						
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (A	cid/Base	Neutral)					Wa	ter				
LCS (24E0175-BS1)			Prepared	: 05/06/24	06:20 Ana	lyzed: 05/06	/24 14:54					
Hexachlorobenzene	2.47	0.0400	0.0800	ug/L	4	4.00		62	53-125%			
Hexachlorobutadiene	0.307	0.100	0.200	ug/L	4	4.00		8	22-124%			Q-3
Hexachlorocyclopentadiene	0.419	0.200	0.400	ug/L	4	4.00		10	10-127%			
Hexachloroethane	0.308	0.100	0.200	ug/L	4	4.00		8	21-120%			Q-3
2-Chloronaphthalene	1.43	0.0400	0.0800	ug/L	4	4.00		36	40-120%			Q-3
1,2,4-Trichlorobenzene	0.646	0.100	0.200	ug/L	4	4.00		16	29-120%			Q-3
4-Bromophenyl phenyl ether	2.33	0.100	0.200	ug/L	4	4.00		58	55-124%			
4-Chlorophenyl phenyl ether	1.91	0.100	0.200	ug/L	4	4.00		48	53-121%			Q-3
Aniline	1.68	0.200	0.400	ug/L	4	4.00		42	10-120%			
4-Chloroaniline	2.51	0.100	0.200	ug/L	4	4.00		63	33-120%			
2-Nitroaniline	2.34	0.800	1.60	ug/L	4	4.00		59	55-127%			
3-Nitroaniline	2.51	0.800	1.60	ug/L	4	4.00		63	41-128%			
4-Nitroaniline	3.13	0.800	1.60	ug/L	4	4.00		78	25-120%			
Nitrobenzene	1.81	0.400	0.800	ug/L	4	4.00		45	45-121%			Q-4
2,4-Dinitrotoluene	2.85	0.400	0.800	ug/L	4	4.00		71	57-128%			
2,6-Dinitrotoluene	2.26	0.400	0.800	ug/L	4	4.00		56	57-124%			Q-3
Benzoic acid	1.28	0.400	0.400	ug/L	4	8.00		16	10-120%			Q-3
Benzyl alcohol	1.83	0.400	0.800	ug/L	4	4.00		46	31-120%			Q-4
Isophorone	1.95	0.100	0.200	ug/L	4	4.00		49	42-124%			
Azobenzene (1,2-DPH)	2.23	0.100	0.200	ug/L	4	4.00		56	61-120%			Q-3
Bis(2-Ethylhexyl) adipate	3.14	1.00	2.00	ug/L	4	4.00		78	63-121%			
3,3'-Dichlorobenzidine	13.9	2.00	4.00	ug/L	4	8.00		174	27-129%			Q-29, Q-5
1,2-Dinitrobenzene	2.50	1.00	2.00	ug/L	4	4.00		62	59-120%			
1,3-Dinitrobenzene	2.41	1.00	2.00	ug/L	4	4.00		60	49-128%			
1,4-Dinitrobenzene	2.22	1.00	2.00	ug/L	4	4.00		55	54-120%			
Pyridine	0.658	0.400	0.400	ug/L	4	4.00		16	10-120%			Q-3
1,2-Dichlorobenzene	0.513	0.100	0.200	ug/L	4	4.00		13	32-120%			Q-3
1,3-Dichlorobenzene	0.435	0.100	0.200	ug/L	4	4.00		11	28-120%			Q-3
1,4-Dichlorobenzene	0.480	0.100	0.200	ug/L	4	4.00		12	29-120%			Q-3
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 48 %	Limits: 4	4-120 %		ution: 4x					Q-41
2-Fluorobiphenyl (Surr)		11000	39 %		4-120 %	2	"					S-06
Phenol-d6 (Surr)			20 %		0-133 %		"					O-41
p-Terphenyl-d14 (Surr)			80 %		0-134 %		"					≥ '1
2-Fluorophenol (Surr)			23 %		9-120 %		"					

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AMENDED 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: <u>Stella-Jones Corporation Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

		Se	mivolatile	Organic	Compour	ds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (A	Acid/Base	Neutral)					Wa	ter				
LCS (24E0175-BS1)			Prepared	1: 05/06/24	06:20 Ana	lyzed: 05/06	/24 14:54					
Surr: 2,4,6-Tribromophenol (Surr)		Reco	very: 74 %	Limits: 4.	3-140 %	Dili	ution: 4x					
Matrix Spike (24E0175-MS1)			Prepared	1: 05/06/24	06:20 Ana	lyzed: 05/06	/24 16:10					
QC Source Sample: R-2-0424 (A4	4E0805-06)											
EPA 8270E												
Acenaphthene	152	0.192	0.385	ug/L	20	3.85	155	-65	47-122%			Q-03, I
Acenaphthylene	5.99	2.31	2.31	ug/L	20	3.85	ND	90	41-130%			
Anthracene	21.7	0.192	0.385	ug/L	20	3.85	18.4	85	57-123%			
Benz(a)anthracene	9.88	0.192	0.385	ug/L	20	3.85	6.49	88	58-125%			
Benzo(a)pyrene	6.27	0.288	0.577	ug/L	20	3.85	2.35	102	54-128%			
Benzo(b)fluoranthene	6.77	0.288	0.577	ug/L	20	3.85	3.29	91	53-131%			
Benzo(k)fluoranthene	5.21	0.288	0.577	ug/L	20	3.85	1.24	103	57-129%			
Benzo(g,h,i)perylene	4.02	0.192	0.385	ug/L	20	3.85	0.504	92	50-134%			
Chrysene	10.1	0.192	0.385	ug/L	20	3.85	6.62	92	59-123%			
Dibenz(a,h)anthracene	3.61	0.192	0.385	ug/L	20	3.85	ND	94	51-134%			
Fluoranthene	50.4	0.192	0.385	ug/L	20	3.85	48.5	50	57-128%			Q-0
Fluorene	83.7	0.192	0.385	ug/L	20	3.85	82.8	24	52-124%			Q-0
Indeno(1,2,3-cd)pyrene	4.06	0.192	0.385	ug/L	20	3.85	0.674	88	52-134%			
1-Methylnaphthalene	95.1	0.385	0.769	ug/L	20	3.85	110	-399	41-120%			Q-03, B-02
2-Methylnaphthalene	7.08	0.385	0.769	ug/L	20	3.85	20.4	-347	40-121%			Q-0
Naphthalene	3.74	0.962	0.962	ug/L	20	3.85	ND	97	40-121%			B-02
Phenanthrene	116	0.192	0.385	ug/L	20	3.85	123	-169	59-120%			Q-03
Pyrene	40.2	0.192	0.385	ug/L	20	3.85	37.8	60	57-126%			
Carbazole	4.54	0.962	0.962	ug/L	20	3.85	ND	118	60-122%			
Dibenzofuran	58.7	0.192	0.385	ug/L	20	3.85	59.6	-25	53-120%			Q-03
2-Chlorophenol	2.81	0.962	1.92	ug/L	20	3.85	ND	73	38-120%			
4-Chloro-3-methylphenol	6.43	1.92	3.85	ug/L	20	3.85	ND	167	52-120%			Q-1
2,4-Dichlorophenol	3.45	0.962	1.92	ug/L	20	3.85	ND	50	47-121%			Q-4
2,4-Dimethylphenol	5.61	4.81	9.62	ug/L	20	3.85	ND	146	31-124%			Q-01,
2,4-Dinitrophenol	6.26	4.81	9.62	ug/L	20	3.85	ND	163	23-143%			Q-11,
4,6-Dinitro-2-methylphenol	ND	4.81	9.62	ug/L	20	3.85	ND		44-137%			Q-1
2-Methylphenol	3.62	0.962	0.962	ug/L	20	3.85	ND	68	30-120%			Q-4
3+4-Methylphenol(s)	4.42	1.73	1.73	ug/L	20	3.85	ND	69	29-120%			Q-4
2-Nitrophenol	5.16	1.92	3.85	ug/L	20	3.85	ND	83	47-123%			

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Philip Nerenberg, Lab Director

Page 30 of 43



Stella-Jones Corporation Eugene

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project:

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E												
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (A	cid/Base	Neutral)					Wa	ter				
Matrix Spike (24E0175-MS1)			Prepared	: 05/06/24	06:20 Ana	lyzed: 05/06/	/24 16:10					
QC Source Sample: R-2-0424 (A4	E0805-06)											
4-Nitrophenol	4.35	3.85	3.85	ug/L	20	3.85	ND	-8	10-120%			Q-1
Pentachlorophenol (PCP)	18.1	1.92	3.85	ug/L	20	3.85	12.8	137	35-138%			
Phenol	ND	3.85	7.69	ug/L	20	3.85	ND		10-120%			Q-11, Q-4
2,3,4,6-Tetrachlorophenol	4.78	0.962	1.92	ug/L	20	3.85	ND	124	50-128%			
2,3,5,6-Tetrachlorophenol	4.74	0.962	1.92	ug/L	20	3.85	ND	123	50-121%			Q-(
2,4,5-Trichlorophenol	4.23	0.962	1.92	ug/L	20	3.85	ND	110	53-123%			
2,4,6-Trichlorophenol	4.06	0.962	1.92	ug/L	20	3.85	ND	106	50-125%			
Bis(2-ethylhexyl)phthalate	13.9	3.85	7.69	ug/L	20	3.85	10.2	95	55-135%			
Butyl benzyl phthalate	ND	3.85	7.69	ug/L	20	3.85	ND		53-134%			Q-1
Diethylphthalate	ND	3.85	7.69	ug/L	20	3.85	ND		56-125%			Q-1
Dimethylphthalate	3.87	3.85	7.69	ug/L	20	3.85	ND	101	45-127%			
Di-n-butylphthalate	3.86	3.85	7.69	ug/L	20	3.85	ND	100	59-127%			
Di-n-octyl phthalate	4.01	3.85	7.69	ug/L	20	3.85	ND	104	51-140%			
N-Nitrosodimethylamine	0.974	0.481	0.962	ug/L	20	3.85	ND	25	19-120%			
N-Nitroso-di-n-propylamine	4.25	0.962	0.962	ug/L	20	3.85	ND	111	49-120%			
N-Nitrosodiphenylamine	13.0	9.04	9.04	ug/L	20	3.85	ND	73	51-123%			
Bis(2-Chloroethoxy) methane	5.86	2.12	2.12	ug/L	20	3.85	ND	93	48-120%			
Bis(2-Chloroethyl) ether	2.64	0.481	0.962	ug/L	20	3.85	ND	69	43-120%			
2,2'-Oxybis(1-Chloropropane)	2.59	0.481	0.962	ug/L	20	3.85	ND	67	41-120%			
Hexachlorobenzene	3.97	0.192	0.385	ug/L	20	3.85	ND	103	53-125%			
Hexachlorobutadiene	2.39	0.481	0.962	ug/L	20	3.85	ND	62	22-124%			
Hexachlorocyclopentadiene	4.19	0.962	1.92	ug/L	20	3.85	ND	109	10-127%			
Hexachloroethane	1.67	0.481	0.962	ug/L	20	3.85	ND	43	21-120%			
2-Chloronaphthalene	4.30	0.769	0.769	ug/L	20	3.85	ND	112	40-120%			
1,2,4-Trichlorobenzene	2.55	0.481	0.962	ug/L	20	3.85	ND	66	29-120%			
4-Bromophenyl phenyl ether	3.86	0.481	0.962	ug/L	20	3.85	ND	100	55-124%			
4-Chlorophenyl phenyl ether	3.69	0.481	0.962	ug/L	20	3.85	ND	96	53-121%			
Aniline	2.32	0.962	1.92	ug/L	20	3.85	ND	60	10-120%			
4-Chloroaniline	3.83	0.962	0.962	ug/L	20	3.85	ND	73	33-120%			
2-Nitroaniline	ND	3.85	7.69	ug/L	20	3.85	ND		55-127%			Q-
3-Nitroaniline	ND	3.85	7.69	ug/L	20	3.85	ND		41-128%			Q-
4-Nitroaniline	ND	7.69	7.69	ug/L	20	3.85	ND		25-120%			Q-
Nitrobenzene	4.93	1.92	3.85	ug/L	20	3.85	ND	72	45-121%			Q-4

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Philip Menberg

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ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E												
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (A	Acid/Base	Neutral)					Wa	ter				.,
Matrix Spike (24E0175-MS1)			Prepared	1: 05/06/24	06:20 Ana	lyzed: 05/06	/24 16:10					
QC Source Sample: R-2-0424 (A4	E0805-06)											
2,4-Dinitrotoluene	6.15	3.85	3.85	ug/L	20	3.85	ND	160	57-128%			Q-11
2,6-Dinitrotoluene	6.02	1.92	3.85	ug/L	20	3.85	ND	156	57-124%			Q-11
Benzoic acid	25.5	24.0	48.1	ug/L	20	7.69	ND	-11	10-120%			Q-11, Q-31, J
Benzyl alcohol	2.54	1.92	3.85	ug/L	20	3.85	ND	66	31-120%			Q-41, J
Isophorone	4.14	0.962	0.962	ug/L	20	3.85	ND	81	42-124%			
Azobenzene (1,2-DPH)	4.00	0.962	0.962	ug/L	20	3.85	ND	78	61-120%			
Bis(2-Ethylhexyl) adipate	ND	4.81	9.62	ug/L	20	3.85	ND		63-121%			Q-11
3,3'-Dichlorobenzidine	ND	9.62	19.2	ug/L	20	7.69	ND		27-129%			Q-11, Q-52
1,2-Dinitrobenzene	ND	9.62	9.62	ug/L	20	3.85	ND		59-120%			Q-11
1,3-Dinitrobenzene	ND	4.81	9.62	ug/L	20	3.85	ND		49-128%			Q-11
1,4-Dinitrobenzene	5.23	4.81	9.62	ug/L	20	3.85	ND	-12	54-120%			Q-11, J
Pyridine	ND	1.92	3.85	ug/L	20	3.85	ND		10-120%			Q-01, Q-31
1,2-Dichlorobenzene	1.81	0.481	0.962	ug/L	20	3.85	ND	47	32-120%			
1,3-Dichlorobenzene	1.67	0.481	0.962	ug/L	20	3.85	ND	43	28-120%			
1,4-Dichlorobenzene	1.78	0.481	0.962	ug/L	20	3.85	ND	46	29-120%			
Surr: Nitrobenzene-d5 (Surr)		Reco	overy: 74 %	Limits: 4	4-120 %	Dilı	ution: 20x					Q-41
2-Fluorobiphenyl (Surr)			86 %	44	1-120 %		"					2 .
Phenol-d6 (Surr)			23 %	10)-133 %		"					Q-41
p-Terphenyl-d14 (Surr)			84 %	50)-134 %		"					2 .
2-Fluorophenol (Surr)			29 %	19	0-120 %		"					
2,4,6-Tribromophenol (Surr)			115 %	43	3-140 %		"					
Matrix Spike Dup (24E0175-M	ISD1)		Prepared	l: 05/06/24	06:20 Ana	lyzed: 05/06	/24 16:46					
QC Source Sample: R-2-0424 (A4	E0805-06)					<u>-</u>						
EPA 8270E												
Acenaphthene	156	0.192	0.385	ug/L	20	3.85	155	31	47-122%	2	30%	Q-03, B
Acenaphthylene	5.81	2.31	2.31	ug/L	20	3.85	ND	85	41-130%	3	30%	
Anthracene	21.2	0.192	0.385	ug/L	20	3.85	18.4	73	57-123%	2	30%	
Benz(a)anthracene	9.54	0.192	0.385	ug/L	20	3.85	6.49	79	58-125%	4	30%	
Benzo(a)pyrene	5.89	0.288	0.577	ug/L	20	3.85	2.35	92	54-128%	6	30%	
Benzo(b)fluoranthene	6.33	0.288	0.577	ug/L	20	3.85	3.29	79	53-131%	7	30%	
Benzo(k)fluoranthene	4.78	0.288	0.577	ug/L	20	3.85	1.24	92	57-129%	9	30%	
Benzo(g,h,i)perylene	3.75	0.192	0.385	ug/L	20	3.85	0.504	84	50-134%	7	30%	

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ORELAP ID: OR100062

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 3140 NE Broadway Street
 Project Number:
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 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E												
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (Acid/Base	Neutral)					Wa	ter				
Matrix Spike Dup (24E0175-M	ASD1)		Prepared	: 05/06/24	06:20 Ana	lyzed: 05/06/	/24 16:46					
QC Source Sample: R-2-0424 (A-	4E0805-06)											
Chrysene	9.58	0.192	0.385	ug/L	20	3.85	6.62	77	59-123%	6	30%	
Dibenz(a,h)anthracene	3.47	0.192	0.385	ug/L	20	3.85	ND	90	51-134%	4	30%	
Fluoranthene	48.5	0.192	0.385	ug/L	20	3.85	48.5	-1	57-128%	4	30%	Q-0
Fluorene	83.2	0.192	0.385	ug/L	20	3.85	82.8	10	52-124%	0.6	30%	Q-0
Indeno(1,2,3-cd)pyrene	3.78	0.192	0.385	ug/L	20	3.85	0.674	81	52-134%	7	30%	
1-Methylnaphthalene	114	0.385	0.769	ug/L	20	3.85	110	80	41-120%	18	30%	B-0
2-Methylnaphthalene	8.36	0.385	0.769	ug/L	20	3.85	20.4	-314	40-121%	17	30%	Q-0
Naphthalene	3.59	0.962	0.962	ug/L	20	3.85	ND	93	40-121%	4	30%	B-0
Phenanthrene	112	0.192	0.385	ug/L	20	3.85	123	-274	59-120%	4	30%	Q-0
Pyrene	38.6	0.192	0.385	ug/L	20	3.85	37.8	21	57-126%	4	30%	Q-(
Carbazole	4.98	0.962	0.962	ug/L	20	3.85	ND	130	60-122%	9	30%	Q-0
Dibenzofuran	61.5	0.192	0.385	ug/L	20	3.85	59.6	49	53-120%	5	30%	Q-0
2-Chlorophenol	2.75	0.962	1.92	ug/L	20	3.85	ND	71	38-120%	2	30%	
4-Chloro-3-methylphenol	6.71	1.92	3.85	ug/L	20	3.85	ND	175	52-120%	4	30%	Q-1
2,4-Dichlorophenol	3.16	1.92	1.92	ug/L	20	3.85	ND	82	47-121%	9	30%	Q-4
2,4-Dimethylphenol	5.69	4.81	9.62	ug/L	20	3.85	ND	148	31-124%	2	30%	Q-01,
2,4-Dinitrophenol	6.12	4.81	9.62	ug/L	20	3.85	ND	159	23-143%	2	30%	Q-11,
4,6-Dinitro-2-methylphenol	ND	4.81	9.62	ug/L	20	3.85	ND		44-137%		30%	Q-1
2-Methylphenol	3.58	0.962	0.962	ug/L	20	3.85	ND	67	30-120%	1	30%	Q-4
3+4-Methylphenol(s)	4.42	4.23	4.23	ug/L	20	3.85	ND	115	29-120%	0.07	30%	Q-4
2-Nitrophenol	6.85	1.92	3.85	ug/L	20	3.85	ND	127	47-123%	28	30%	Q-1
4-Nitrophenol	4.16	1.92	3.85	ug/L	20	3.85	ND	-13	10-120%	200	30%	Q-1
Pentachlorophenol (PCP)	17.6	1.92	3.85	ug/L	20	3.85	12.8	124	35-138%	3	30%	
Phenol	ND	3.85	7.69	ug/L	20	3.85	ND		10-120%		30%	Q-11, Q-4
2,3,4,6-Tetrachlorophenol	4.58	0.962	1.92	ug/L	20	3.85	ND	119	50-128%	4	30%	
2,3,5,6-Tetrachlorophenol	4.63	0.962	1.92	ug/L	20	3.85	ND	120	50-121%	2	30%	
2,4,5-Trichlorophenol	4.16	0.962	1.92	ug/L	20	3.85	ND	108	53-123%	2	30%	
2,4,6-Trichlorophenol	3.99	0.962	1.92	ug/L	20	3.85	ND	104	50-125%	2	30%	
Bis(2-ethylhexyl)phthalate	13.1	3.85	7.69	ug/L	20	3.85	10.2	75	55-135%	6	30%	
Butyl benzyl phthalate	ND	3.85	7.69	ug/L	20	3.85	ND		53-134%		30%	Q-1
Diethylphthalate	ND	3.85	7.69	ug/L	20	3.85	ND		56-125%		30%	Q-1
Dimethylphthalate	ND	3.85	7.69	ug/L	20	3.85	ND		45-127%		30%	Q-1
Di-n-butylphthalate	ND	3.85	7.69	ug/L	20	3.85	ND		59-127%		30%	Q-1

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ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
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 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24E0175 - EPA 3510C (Acid/Base Neutral) Water Matrix Spike Dup (24E0175-MSD1) Prepared: 05/06/24 06:20 Analyzed: 05/06/24 16:46 QC Source Sample: R-2-0424 (A4E0805-06) Q-11 Di-n-octyl phthalate ND 3.85 7.69 ug/L 20 3.85 ND 51-140% 30% 0.960 0.481 0.962 ug/L ND 25 19-120% 30% N-Nitrosodimethylamine 20 3.85 1 N-Nitroso-di-n-propylamine 4.28 0.962 0.962 ug/L 20 3.85 ND 111 49-120% 0.6 30% O-02 N-Nitrosodiphenylamine 19.2 9.04 9.04 ug/L 20 3.85 ND 233 51-123% 38 30% Bis(2-Chloroethoxy) methane 5.97 0.769 0.769 20 3.85 ND 96 48-120% 2 30% ug/L 2.52 0.481 0.962 43-120% 30% Bis(2-Chloroethyl) ether ug/L 20 3.85 ND 65 5 0.962 2,2'-Oxybis(1-Chloropropane) 2.48 0.481 ug/L 20 3.85 ND 65 41-120% 4 30% 96 3.69 0.385 20 53-125% 7 30% Hexachlorobenzene 0.192 ug/L 3.85 ND Hexachlorobutadiene 1.92 0.481 0.962 ug/L 20 3.85 ND 50 22-124% 22 30% Hexachlorocyclopentadiene 3.41 0.962 1.92 ug/L 20 3.85 ND 89 10-127% 21 30% Hexachloroethane 1.60 0.481 0.962 ug/L 20 3.85 ND 42 21-120% 4 30% 0.769 0.769 9 2-Chloronaphthalene 3.94 ug/L 20 103 40-120% 30% 3.85 ND 2.19 0.962 29-120% 15 1,2,4-Trichlorobenzene 0.481 ug/L 20 3.85 ND 57 30% 4-Bromophenyl phenyl ether 3.84 0.481 0.962 20 3.85 ND 100 55-124% 0.6 30% ug/L 4-Chlorophenyl phenyl ether 0.481 0.962 3.45 ug/L 20 3.85 ND 90 53-121% 7 30% 0.962 Aniline 2.14 1.92 ug/L 20 3.85 ND 56 10-120% 8 30% 4-Chloroaniline 3.41 0.962 0.962 ug/L 20 3.85 ND 62 33-120% 12 30% 2-Nitroaniline ND 3.85 7.69 20 3.85 ND 30% O-11 ug/L 55-127% ND 3.85 41-128% 30% Q-11 3-Nitroaniline 7.69 ug/L 20 3.85 ND Q-11 4-Nitroaniline 7.69 ND 7.69 ug/L 20 ND 25-120% 30% 3.85 5.18 1.92 3.85 ND 79 45-121% 5 30% Q-41 Nitrobenzene ug/L 20 3.85 Q-11 2,4-Dinitrotoluene 6.16 3.85 3.85 ug/L 20 3.85 ND 160 57-128% 0.2 30% 2,6-Dinitrotoluene 5.92 1.92 3.85 ug/L 20 3.85 ND 154 57-124% 2 30% Q-11 26.9 48.1 20 200 30% Q-11, Q-31, J Benzoic acid 24.0 ug/L 7.69 ND 7 10-120% Benzyl alcohol 2.97 1.92 3.85 ND 77 31-120% 16 30% Q-41, J ug/L 20 3.85 0.962 3.86 0.962 30% 20 3.85 ND 74 42-124% 7 Isophorone ug/L Azobenzene (1,2-DPH) 3.63 0.962 0.962 ug/L 20 3.85 ND 69 61-120% 10 30% 30% Q-11 Bis(2-Ethylhexyl) adipate ND 4.81 9.62 ug/L 20 3.85 ND 63-121% 3,3'-Dichlorobenzidine ND 9.62 19.2 ug/L 20 7.69 ND 27-129% 30% Q-11, Q-52 1.2-Dinitrobenzene ND 4.81 9.62 20 3.85 ND 59-120% 30% Q-11 ug/L 1,3-Dinitrobenzene ND 4.81 9.62 ug/L 20 3.85 ND 49-128% 30% Q-11 1,4-Dinitrobenzene ND 9.62 9.62 20 ND 30% Q-11 ug/L 3.85 54-120% Pyridine ND 1.92 3.85 ug/L 20 3.85 ND 10-120% 30% Q-01, Q-31

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

Maul Foster & Alongi, INC. 3140 NE Broadway Street

Portland, OR 97232

Project: Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

QUALITY CONTROL (QC) SAMPLE RESULTS

		Se	mivolatile	Organic	Compour	ds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24E0175 - EPA 3510C (Acid/Base	Neutral)					Wa	iter				
Matrix Spike Dup (24E0175-M	MSD1)		Prepared	1: 05/06/24	06:20 Anal	lyzed: 05/06	/24 16:46					
QC Source Sample: R-2-0424 (A	4E0805-06)											
1,2-Dichlorobenzene	1.68	0.481	0.962	ug/L	20	3.85	ND	44	32-120%	7	30%	
1,3-Dichlorobenzene	1.56	0.481	0.962	ug/L	20	3.85	ND	41	28-120%	6	30%	
1,4-Dichlorobenzene	1.66	0.481	0.962	ug/L	20	3.85	ND	43	29-120%	7	30%	
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 85 %	Limits: 44	4-120 %	Dilı	tion: 20x					Q-41
2-Fluorobiphenyl (Surr)			84 %	44	1-120 %		"					
Phenol-d6 (Surr)			24 %	10	0-133 %		"					Q-41
p-Terphenyl-d14 (Surr)			83 %	50	0-134 %		"					
2-Fluorophenol (Surr)			32 %	19	0-120 %		"					
2,4,6-Tribromophenol (Surr)			119 %	43	B-140 %		"					

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AMENDED 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: Stella-Jones Corporation Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4E0805 - 10 18 24 1743

SAMPLE PREPARATION INFORMATION

		Selected Semi	volatile Organic Com	pounds by EPA 827	'0E						
Prep: EPA 3510C (Ad	cid Extraction)				Sample	Default	RL Prep				
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor				
Batch: 24E0134											
A4E0805-01RE1	Water	EPA 8270E	04/29/24 14:00	05/03/24 08:46	1000 mL/1 mL	1000 mL/1 mL	1.00				
A4E0805-02	Water	EPA 8270E	04/29/24 15:40	05/03/24 08:46	1000mL/1mL	1000mL/1mL	1.00				
A4E0805-03	Water	EPA 8270E	04/29/24 16:41	05/03/24 08:46	1000 mL/1 mL	1000mL/1mL	1.00				
A4E0805-08	Water	EPA 8270E	04/30/24 09:12	05/03/24 08:46	1000 mL/1 mL	1000 mL/1 mL	1.00				
A4E0805-09	Water	EPA 8270E	04/30/24 11:15	05/03/24 08:46	950mL/1mL	1000mL/1mL	1.05				
A4E0805-11RE2	Water	EPA 8270E	04/30/24 14:05	05/03/24 08:46	950mL/1mL	1000mL/1mL	1.05				

		Semivolat	ile Organic Compour	nds by EPA 8270E			
Prep: EPA 3510C (A	<u>cid/Base Neutral)</u>				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 24E0175							
A4E0805-04	Water	EPA 8270E	04/29/24 17:35	05/06/24 06:20	1050 mL/1 mL	1000 mL/1 mL	0.95
A4E0805-05	Water	EPA 8270E	04/29/24 17:35	05/06/24 06:20	1040 mL/1 mL	1000 mL/1 mL	0.96
A4E0805-06	Water	EPA 8270E	04/29/24 17:50	05/06/24 06:20	900mL/1mL	1000 mL/1 mL	1.11
A4E0805-07	Water	EPA 8270E	04/29/24 18:05	05/06/24 06:20	1020 mL/1 mL	1000 mL/1 mL	0.98
A4E0805-07RE1	Water	EPA 8270E	04/29/24 18:05	05/06/24 06:20	1020 mL/1 mL	1000 mL/1 mL	0.98
A4E0805-10	Water	EPA 8270E	04/30/24 12:00	05/06/24 06:20	910mL/1mL	1000 mL/1 mL	1.10
A4E0805-10RE1	Water	EPA 8270E	04/30/24 12:00	05/06/24 06:20	910mL/1mL	1000mL/1mL	1.10

Apex Laboratories

Philip Marenberg

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Philip Nerenberg, Lab Director



AMENDED 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

Stella-Jones Corporation Eugene Project:

Project Number: **M0022.04.002**

Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

QUALIFIER DEFINITIONS

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

Apex Laboratories

- A-01 Due to coelution of isomers, 2,3,4,6- and 2,3,4,5-Tetrachlorophenol (TCP) are reported as a sum and are Estimated Values. Results are calculated using the response factor of 2,3,4,6-TCP. Batch results accepted based on spike recovery of 2,3,4,6-TCP.
- The Result, Reporting Level, Recovery and/or RPD has changed. Note: Batch QC marked as AMENDED may or may not have been issued AMEND prior to the change. Case Narrative included if client data is affected.
 - В Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
 - B-02 Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
 - J Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified DL.
- M-05 Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- Spike recovery and/or RPD is outside acceptance limits. Q-01
- Q-02 Spike recovery is outside of established control limits due to matrix interference.
- Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample. Q-03
- Q-11 Spike recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- O-19 Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-29 Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- Recovery for Lab Control Spike (LCS) is below the lower control limit. Data may be biased low. Q-30
- Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely Q-31 biased low.
- Q-41 Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely 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.)
- O-52 Due to known erratic recoveries, the result and reporting levels for this analyte are reported as Estimated Values. This analyte may not have passed all QC requirements for this method.
- The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample. R-02
- Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference. S-05
- S-06 Surrogate recovery is outside of established control limits.

Apex Laboratories

Philip Nevemberg

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Page 37 of 43 Philip Nerenberg, Lab Director



AMENDED REPORT

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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4E0805 - 10 18 24 1743

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)

Validated 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'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

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).

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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ORELAP ID: OR100062

Maul Foster & Alongi, INC.

3140 NE Broadway Street Project Number: M0022.04.002
Portland, OR 97232 Project Manager: Cody Schweitz

 Project Number:
 M0022.04.002
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 Cody Schweitzer
 A4E0805 - 10 18 24 1743

Stella-Jones Corporation Eugene

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).

Project:

Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.

- -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.
- -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, if results are not reported to the MDL.

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

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Philip Nerenberg, Lab Director

Philip Nevenberg



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Apex Laboratories, LLC

ORELAP ID: OR100062

AMENDED REPORT

Maul Foster & Alongi, INC. Project: **Stella-Jones Corporation Eugene**

3140 NE Broadway Street Project Number: M0022.04.002 Report ID: Portland, OR 97232 Project Manager: Cody Schweitzer A4E0805 - 10 18 24 1743

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
Water	EPA 8270E		2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)		
Water	EPA 8270E		2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)		
		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 provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Merenberg

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Page 40 of 43 Philip Nerenberg, Lab Director



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Portland, OR 97232

Project:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002

Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

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Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Neimberg

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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:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002

Report ID: Project Manager: Cody Schweitzer A4E0805 - 10 18 24 1743

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Philip Maenberg

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Page 42 of 43 Philip Nerenberg, Lab Director



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Maul Foster & Alongi, INC.

3140 NE Broadway Street Portland, OR 97232 Project:

Stella-Jones Corporation Eugene

Project Number: M0022.04.002

Project Manager: Cody Schweitzer

Report ID:

A4E0805 - 10 18 24 1743

	APEX LABS COOLER RECEIPT FORM
Client:	Maul Foster = Alongi Element WO#: A4 E0805
Project/	Project #: Stella-Jones Eugene M002204,002
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	ne received: 5/1/24 @ XX By: 5
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Philip Nerenberg, Lab Director

Philip Neimberg

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09 October 2024

Cody Schweitzer Maul, Foster & Alongi, Inc. 2001 NW 19th Avenue, Suite 200 Portland, WA 97209

RE: Stella-Jones Eugene (0022.04.002)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)

24I0408

Associated SDG ID(s)
N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

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Kelly Bottem, Client Services Manager

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around	**************************************	Std		Page:		of						cal Resour	rces, LLC sts and Cons	cultants
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	Date & Time:	2024 10	15	Date & Time: 09.18.2	1	1015	9 K	Date & Time:		1050	0	Date & Time:		07:42	

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or cosigned agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.



Maul, Foster & Alongi, Inc. Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
R3-0924	24I0408-01	Water	17-Sep-2024 13:57	19-Sep-2024 07:42



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene
2001 NW 19th Avenue, Suite 200

Project Number: 0022.04.002

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Work Order Case Narrative

Pentachlorophenol - EPA Method SW8041A

The sample(s) were extracted and analyzed within the recommended holding times with the exception of the re-extract which has been flagged with an "H" qualifer.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits.

The original method blank(s) contained contamination. The sample was re-extracted outside of the holding time to verify the original data. The original run has been flagged with a "B" qualifer and both sets of data have been reported.

The blank spike (BS/LCS) percent recoveries were within control limits.



Cooler Receipt Form

ARI Client: APA	NFA	Project Name: Stella	Jones		
COC No(s):	(NA)	Delivered by: Fed-Ex UPS Cour		Ofher	
Assigned ARI Job No: 2410		Tracking No:			NIA)
Preliminary Examination Phase:	-	Hacking No.			NA
Were intact, properly signed and de	ated custody seals attached to the	outside of the cooler?	YES	6	NO)
Were custody papers included with	the cooler?		YES		NO
Were custody papers properly filled	d out (ink, signed, etc.)		YES		NO
Temperature of Cooler(s) (°C) (rec	ommended 2.0-6.0 °C for chemisti	ry)			.,,0
Time 07:42		5.8			
If cooler temperature is out of comp	pliance fill out form 00070F		Temp Gun ID#:	100970	23
Cooler Accepted by:	D	ate: 9-19-24 Time:			
		attach all shipping documents			
Log-In Phase:					
Was a tamparature blank include	d in the cooler?			\/F0	Cus
	vas used? Bubble Wrap		Plank Banar Other	YES	(NO)
	riate)?		NA	YES	NO
	c bags?		Individually	Grouped	Not
1500 to 1500 t	lition (unbroken)?		mairidually	YES	NO
	nd legible?			YES	NO
	ed on COC match with the number			YES	NO
	ee with custody papers?		## · · · · · · · · · · · · · · · · · ·	YES	NO
	he requested analyses?			YES	NO
	require preservation? (attach prese		NA	YES	NO
	bbles?		(NA)	YES	NO
	sent in each bottle?			YES	NO
Date VOC Trip Blank was made a	at ARI		NA		
Were the sample(s) split by ARI?	YES Date/Time:	Equipment:		Split by:	
23	alista				
Samples Logged by:			bels checked by: _	6)	
	** Notify Project Manager of	discrepancies or concerns **			
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample	ID on COC	
			-		
7,03,100,100,100					
Additional Notes, Discrepancie	s. & Resolutions:				
, , , , , , , , , , , , , , , , , , , ,	-, -, -, -, -, -, -, -, -, -, -, -, -, -				
By: Da	te:				



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

R3-0924 24I0408-01 (Water)

Phenols

 Method: EPA 8041A
 Sampled: 09/17/2024 13:57

 Instrument: ECD8 Analyst: RT
 Analyzed: 09/27/2024 20:22

Sample Preparation: Preparation Method: EPA 3510C SepF Extract ID: 24I0408-01 A 01

Preparation Batch: BMI0556 Sample Size: 500 mL Prepared: 09/24/2024 Final Volume: 5 mL

Detection Reporting Analyte CAS Number Dilution Limit Limit Result Notes Pentachlorophenol 87-86-5 0.013 0.025 0.059 B, P1 ug/L Surrogate: 2,4,6-Tribromophenol 10-181 % 83.8 % 10-181 % 103 Surrogate: 2,4,6-Tribromophenol [2C] %



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

R3-0924 24I0408-01RE1 (Water)

Phenols

 Method: EPA 8041A
 Sampled: 09/17/2024 13:57

 Instrument: ECD8 Analyst: RT
 Analyzed: 10/08/2024 22:11

Sample Preparation: Preparation Method: EPA 3510C SepF Extract ID: 24I0408-01RE1 C 01

Preparation Batch: BMJ0034 Sample Size: 500 mL Prepared: 10/07/2024 Final Volume: 5 mL

Reporting Detection CAS Number Dilution Limit Limit Result Units Analyte Notes Pentachlorophenol 87-86-5 0.013 0.025 0.083 H, P1 1 Surrogate: 2,4,6-Tribromophenol 10-181 % 89.1 % Н Surrogate: 2,4,6-Tribromophenol [2C] 10-181 % 116 % Н



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number:0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer09-Oct-2024 11:35

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMI0556 - EPA 8041A

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMI0556-BLK1)				Prep	ared: 24-Sep	-2024 Ana	alyzed: 27-S	Sep-2024 19):28		
Pentachlorophenol [2C]	0.060	0.013	0.025	ug/L							P1
Surrogate: 2,4,6-Tribromophenol	0.0950			ug/L	0.250		38.0	10-181			PI
Surrogate: 2,4,6-Tribromophenol [2C]	0.322			ug/L	0.250		129	10-181			PI



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMI0556 - EPA 8041A

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BMI0556-BS1)				Prep	ared: 24-Sep	-2024 Ana	lyzed: 27-S	Sep-2024 19	:46		
Pentachlorophenol [2C]	0.223	0.013	0.025	ug/L	0.250		89.4	36-159			В
Surrogate: 2,4,6-Tribromophenol	0.0978			ug/L	0.250		39.1	10-181			PI
Surrogate: 2,4,6-Tribromophenol [2C]	0.160			ug/L	0.250		64.1	10-181			PI



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMI0556 - EPA 8041A

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BMI0556-BSD1)				Prep	ared: 24-Sep	-2024 Ana	lyzed: 27-S	Sep-2024 20	:04		
Pentachlorophenol [2C]	0.239	0.013	0.025	ug/L	0.250		95.4	36-159	6.53	30	B, P1
Surrogate: 2,4,6-Tribromophenol	0.0967			ug/L	0.250		38.7	10-181			PI
Surrogate: 2,4,6-Tribromophenol [2C]	0.161			ug/L	0.250		64.2	10-181			PI



Maul, Foster & Alongi, Inc. Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Phenols - Quality Control

Batch BMJ0034 - EPA 8041A

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMJ0034-BLK1)				Prepa	ared: 07-Oct	-2024 Ana	lyzed: 08-0	Oct-2024 21	:17		
Pentachlorophenol	ND	0.013	0.025	ug/L							U
Surrogate: 2,4,6-Tribromophenol	0.166			ug/L	0.250		66.5	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.217			ug/L	0.250		86.8	10-181			



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number:0022.04.002Reported:Portland WA, 97209Project Manager:Cody Schweitzer09-Oct-2024 11:35

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMJ0034 - EPA 8041A

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS (BMJ0034-BS1)				Prep	ared: 07-Oct	-2024 Ana	lyzed: 08-0	Oct-2024 21	:35		
Pentachlorophenol [2C]	0.188	0.013	0.025	ug/L	0.250		75.2	36-159			
Surrogate: 2,4,6-Tribromophenol	0.189			ug/L	0.250		75.8	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.250			ug/L	0.250		100	10-181			



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Analysis by: Analytical Resources, LLC

Phenols - Quality Control

Batch BMJ0034 - EPA 8041A

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BMJ0034-BSD1)				Prep	ared: 07-Oct	-2024 Ana	lyzed: 08-0	Oct-2024 21	:53		
Pentachlorophenol [2C]	0.196	0.013	0.025	ug/L	0.250		78.4	36-159	4.21	30	
Surrogate: 2,4,6-Tribromophenol	0.195			ug/L	0.250		78.1	10-181			
Surrogate: 2,4,6-Tribromophenol [2C]	0.260			ug/L	0.250		104	10-181			





Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Certified Analyses included in this Report

Analyte Certifications

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2025
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program, PJLA Testing	66169	02/28/2025
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2025
WADOE	WA Dept of Ecology	C558	06/30/2025
WA-DW	Ecology - Drinking Water	C558	06/30/2025



Maul, Foster & Alongi, Inc.

Project: Stella-Jones Eugene

2001 NW 19th Avenue, Suite 200Project Number: 0022.04.002Reported:Portland WA, 97209Project Manager: Cody Schweitzer09-Oct-2024 11:35

Notes and Definitions

* Flagged value is not within established control limits.

B This analyte was detected in the method blank.

H Hold time violation - Hold time was exceeded.

P1 The reported value is greater than 40% difference between the concentrations determined on two GC columns where applicable.

U This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

[2C] Indicates this result was quantified on the second column on a dual column analysis.



AMENDED REPORT

Apex Laboratories, LLC

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

Tuesday, October 15, 2024 Cody Schweitzer Maul Foster & Alongi, INC. 3140 NE Broadway Street Portland, OR 97232

RE: A4I1251 - Stella-Jones Corporation - Eugene - M0022.04.002

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 A4I1251, which was received by the laboratory on 9/17/2024 at 5:19:00PM.

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, 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.

Coo	ler Re	eceipt I	nformat	ion

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Cooler #1 2.8 degC Cooler #2 4.2 degC

Cooler #3 4.3 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(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

3140 NE Broadway StreetProject Number:M0022.04.002Report ID:Portland, OR 97232Project Manager:Cody SchweitzerA4I1251 - 10 15 24 1504

ANALYTICAL REPORT FOR SAMPLES

	SAMPLE INFO	ORMATION		
Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P-2D-0924	A4I1251-01	Water	09/16/24 17:33	09/17/24 17:19
90-1D-0924	A4I1251-02	Water	09/16/24 16:25	09/17/24 17:19
93-3-0924	A4I1251-03	Water	09/16/24 18:49	09/17/24 17:19
93-8-0924	A4I1251-04	Water	09/17/24 08:26	09/17/24 17:19
93-1A-0924	A4I1251-05	Water	09/17/24 09:39	09/17/24 17:19
93-4-0924	A4I1251-06	Water	09/17/24 11:35	09/17/24 17:19
92-9-0924	A4I1251-07	Water	09/17/24 13:00	09/17/24 17:19
R1-0924	A4I1251-08	Water	09/17/24 13:50	09/17/24 17:19
R2-0924	A4I1251-09	Water	09/17/24 13:38	09/17/24 17:19
R3-0924	A4I1251-10	Water	09/17/24 13:57	09/17/24 17:19
Field Blank	A4I1251-11	Water	09/17/24 14:02	09/17/24 17:19
R1-0924-Dup	A4I1251-12	Water	09/17/24 13:50	09/17/24 17:19

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

3140 NE Broadway StreetProject Number:M0022.04.002Report ID:Portland, OR 97232Project Manager:Cody SchweitzerA4I1251 - 10 15 24 1504

ANALYTICAL CASE NARRATIVE

A4I1251 Apex Laboratories

Amended Report Revision 1:

This report supersedes all previous reports.

Extra analytes were accidently reported on the 8270 Phenols list in the original report and have been removed on this version.

Philip Nerenberg Lab Director 10/15/24

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director

Philip Memberg

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AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Date Analyzed	Method Ref.	Note
P-2D-0924 (A4I1251-01RE1)				Matrix: Wate	r	Batch:	2410586	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.106	0.213	ug/L	1	09/20/24 14:50	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0532	0.106	ug/L	1	09/20/24 14:50	EPA 8270E	
Pentachlorophenol (PCP)	1.63	0.106	0.213	ug/L	1	09/20/24 14:50	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.119	0.0532	0.106	ug/L	1	09/20/24 14:50	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0532	0.106	ug/L	1	09/20/24 14:50	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0532	0.106	ug/L	1	09/20/24 14:50	EPA 8270E	_
Surrogate: Nitrobenzene-d5 (Surr)		Recon	very: 68 %	Limits: 44-120 %	1	09/20/24 14:50	EPA 8270E	
2-Fluorobiphenyl (Surr)			63 %	44-120 %	1	09/20/24 14:50	EPA 8270E	
Phenol-d6 (Surr)			25 %	10-133 %		09/20/24 14:50	EPA 8270E	
p-Terphenyl-d14 (Surr)			44 %	50-134 %		09/20/24 14:50	EPA 8270E	S-06
2-Fluorophenol (Surr)			38 %	19-120 %		09/20/24 14:50	EPA 8270E	
2,4,6-Tribromophenol (Surr)			128 %	43-140 %	1	09/20/24 14:50	EPA 8270E	
90-1D-0924 (A4I1251-02)				Matrix: Wate	r	Batch:	2410586	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.108	0.215	ug/L	1	09/20/24 13:43	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 13:43	EPA 8270E	
Pentachlorophenol (PCP)	1.84	0.108	0.215	ug/L	1	09/20/24 13:43	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.125	0.0538	0.108	ug/L	1	09/20/24 13:43	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 13:43	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 13:43	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recon	very: 89 %	Limits: 44-120 %	1	09/20/24 13:43	EPA 8270E	
2-Fluorobiphenyl (Surr)			77 %	44-120 %	I	09/20/24 13:43	EPA 8270E	
Phenol-d6 (Surr)			28 %	10-133 %	1	09/20/24 13:43	EPA 8270E	
p-Terphenyl-d14 (Surr)			54 %	50-134 %	1	09/20/24 13:43	EPA 8270E	
2-Fluorophenol (Surr)			47 %	19-120 %		09/20/24 13:43	EPA 8270E	
2,4,6-Tribromophenol (Surr)			127 %	43-140 %	I	09/20/24 13:43	EPA 8270E	
93-3-0924 (A4I1251-03)				Matrix: Wate	r	Batch:	2410586	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.108	0.215	ug/L	1	09/20/24 14:17	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 14:17	EPA 8270E	
Pentachlorophenol (PCP)	0.121	0.108	0.215	ug/L	1	09/20/24 14:17	EPA 8270E	J
2,3,5,6-Tetrachlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 14:17	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 14:17	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0538	0.108	ug/L	1	09/20/24 14:17	EPA 8270E	

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Selected	Semivolatile (organic C	ompounds by E	PA 8270	E		
A 1.	Sample	Detection	Reporting	TT :	D'L d'	Date	Malane	NI.
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
93-3-0924 (A4I1251-03)				Matrix: Wate	r	Batch:	2410586	
Surrogate: Nitrobenzene-d5 (Surr)		Recover	y: 72 %	Limits: 44-120 %	1	09/20/24 14:17	EPA 8270E	
2-Fluorobiphenyl (Surr)			65 %	44-120 %	1	09/20/24 14:17	EPA 8270E	
Phenol-d6 (Surr)			24 %	10-133 %	1	09/20/24 14:17	EPA 8270E	
p-Terphenyl-d14 (Surr)			64 %	50-134 %	1	09/20/24 14:17	EPA 8270E	
2-Fluorophenol (Surr)			38 %	19-120 %		09/20/24 14:17	EPA 8270E	
2,4,6-Tribromophenol (Surr)			110 %	43-140 %	I	09/20/24 14:17	EPA 8270E	
93-8-0924 (A4I1251-04RE1)				Matrix: Wate	er	Batch:	2410733	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.102	0.204	ug/L	1	09/26/24 22:11	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0510	0.102	ug/L	1	09/26/24 22:11	EPA 8270E	
Pentachlorophenol (PCP)	0.102	0.102	0.204	ug/L	1	09/26/24 22:11	EPA 8270E	J
2,3,5,6-Tetrachlorophenol	0.0542	0.0510	0.102	ug/L	1	09/26/24 22:11	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.0510	0.102	ug/L	1	09/26/24 22:11	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0510	0.102	ug/L	1	09/26/24 22:11	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recover	y: 94 %	Limits: 44-120 %	1	09/26/24 22:11	EPA 8270E	
2-Fluorobiphenyl (Surr)			76 %	44-120 %	1	09/26/24 22:11	EPA 8270E	
Phenol-d6 (Surr)			34 %	10-133 %	1	09/26/24 22:11	EPA 8270E	
p-Terphenyl-d14 (Surr)			83 %	50-134 %	1	09/26/24 22:11	EPA 8270E	
2-Fluorophenol (Surr)			51 %	19-120 %	1	09/26/24 22:11	EPA 8270E	
2,4,6-Tribromophenol (Surr)			88 %	43-140 %	1	09/26/24 22:11	EPA 8270E	
93-1A-0924 (A4I1251-05RE1)				Matrix: Wate	er	Batch:	2410733	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.101	0.202	ug/L	1	09/26/24 20:28	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0505	0.101	ug/L	1	09/26/24 20:28	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.101	0.202	ug/L	1	09/26/24 20:28	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.0509	0.0505	0.101	ug/L	1	09/26/24 20:28	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.0505	0.101	ug/L	1	09/26/24 20:28	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0505	0.101	ug/L	1	09/26/24 20:28	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recover	y: 97 %	Limits: 44-120 %	1	09/26/24 20:28	EPA 8270E	
2-Fluorobiphenyl (Surr)			77 %	44-120 %	1	09/26/24 20:28	EPA 8270E	
Phenol-d6 (Surr)			27 %	10-133 %	1	09/26/24 20:28	EPA 8270E	
p-Terphenyl-d14 (Surr)			56 %	50-134 %		09/26/24 20:28	EPA 8270E	
2-Fluorophenol (Surr)			42 %	19-120 %		09/26/24 20:28	EPA 8270E	
2,4,6-Tribromophenol (Surr)			84 %	43-140 %		09/26/24 20:28	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Selected	l Semivolatile	Organic C	ompounds by E	PA 8270	E		
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
93-4-0924 (A4I1251-06RE1)				Matrix: Wate	er	Batch:	2410733	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.101	0.202	ug/L	1	09/26/24 21:03	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.0505	0.101	ug/L	1	09/26/24 21:03	EPA 8270E	
Pentachlorophenol (PCP)	0.270	0.101	0.202	ug/L	1	09/26/24 21:03	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.0526	0.0505	0.101	ug/L	1	09/26/24 21:03	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.0505	0.101	ug/L	1	09/26/24 21:03	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0505	0.101	ug/L	1	09/26/24 21:03	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recove	ry: 91 %	Limits: 44-120 %	5 1	09/26/24 21:03	EPA 8270E	
2-Fluorobiphenyl (Surr)			76 %	44-120 %	<i>i 1</i>	09/26/24 21:03	EPA 8270E	
Phenol-d6 (Surr)			31 %	10-133 %	<i>i 1</i>	09/26/24 21:03	EPA 8270E	
p-Terphenyl-d14 (Surr)			50 %	50-134 %	<i>I</i>	09/26/24 21:03	EPA 8270E	
2-Fluorophenol (Surr)			45 %	19-120 %	<i>I</i>	09/26/24 21:03	EPA 8270E	
2,4,6-Tribromophenol (Surr)			86 %	43-140 %	5 1	09/26/24 21:03	EPA 8270E	
92-9-0924 (A4I1251-07)				Matrix: Wate	er	Batch:		
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.426	0.851	ug/L	4	09/26/24 02:07	EPA 8270E	A-01
2,4-Dichlorophenol	ND	0.213	0.426	ug/L	4	09/26/24 02:07	EPA 8270E	
Pentachlorophenol (PCP)	4.27	0.426	0.851	ug/L	4	09/26/24 02:07	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.213	0.426	ug/L	4	09/26/24 02:07	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.213	0.426	ug/L	4	09/26/24 02:07	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.213	0.426	ug/L	4	09/26/24 02:07	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recove	ry: 77 %	Limits: 44-120 %	5 4	09/26/24 02:07	EPA 8270E	
2-Fluorobiphenyl (Surr)			83 %	44-120 %	4	09/26/24 02:07	EPA 8270E	
Phenol-d6 (Surr)			18 %	10-133 %	4	09/26/24 02:07	EPA 8270E	
p-Terphenyl-d14 (Surr)			74 %	50-134 %	4	09/26/24 02:07	EPA 8270E	
2-Fluorophenol (Surr)			33 %	19-120 %	4	09/26/24 02:07	EPA 8270E	
2,4,6-Tribromophenol (Surr)			98 %	43-140 %	4	09/26/24 02:07	EPA 8270E	

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Philip Nevenberg

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Philip Nerenberg, Lab Director



AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sem	nivolatile Org	anic Compou	ınds by EPA	4 8270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R1-0924 (A4I1251-08)				Matrix: Wa	ater	Batch:	2410731	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	A-01
Acenaphthene	2.44	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	B-02
Acenaphthylene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Anthracene	0.143	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	J
Benz(a)anthracene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Benzo(a)pyrene	ND	0.149	0.297	ug/L	10	09/24/24 18:43	EPA 8270E	
Benzo(b)fluoranthene	ND	0.149	0.297	ug/L	10	09/24/24 18:43	EPA 8270E	
Benzo(k) fluoranthene	ND	0.149	0.297	ug/L	10	09/24/24 18:43	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Chrysene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Fluoranthene	0.259	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Fluorene	1.24	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
1-Methylnaphthalene	0.640	0.198	0.396	ug/L	10	09/24/24 18:43	EPA 8270E	
2-Methylnaphthalene	ND	0.198	0.396	ug/L	10	09/24/24 18:43	EPA 8270E	
Naphthalene	0.673	0.198	0.396	ug/L	10	09/24/24 18:43	EPA 8270E	B-02
Phenanthrene	0.247	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Pyrene	0.362	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Carbazole	0.189	0.149	0.297	ug/L	10	09/24/24 18:43	EPA 8270E	J
Dibenzofuran	0.505	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
2-Chlorophenol	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
2,4-Dichlorophenol	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
2,4-Dimethylphenol	ND	2.48	4.95	ug/L	10	09/24/24 18:43	EPA 8270E	
2,4-Dinitrophenol	ND	2.48	4.95	ug/L	10	09/24/24 18:43	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	2.48	4.95	ug/L	10	09/24/24 18:43	EPA 8270E	
2-Methylphenol	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
3+4-Methylphenol(s)	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
2-Nitrophenol	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
4-Nitrophenol	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
Pentachlorophenol (PCP)	5.80	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
Phenol	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Org	anic Compo	ınds by EPA	4 8270E			
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R1-0924 (A4I1251-08)				Matrix: Wa	ater	Batch:	2410731	
2,3,5,6-Tetrachlorophenol	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
Butyl benzyl phthalate	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
Diethylphthalate	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
Dimethylphthalate	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
Di-n-butylphthalate	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
Di-n-octyl phthalate	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
N-Nitrosodimethylamine	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
N-Nitrosodiphenylamine	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Hexachlorobenzene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
Hexachlorobutadiene	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Hexachlorocyclopentadiene	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
Hexachloroethane	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
2-Chloronaphthalene	ND	0.0990	0.198	ug/L	10	09/24/24 18:43	EPA 8270E	
1,2,4-Trichlorobenzene	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
4-Bromophenyl phenyl ether	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Aniline	ND	0.495	0.990	ug/L	10	09/24/24 18:43	EPA 8270E	
4-Chloroaniline	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
2-Nitroaniline	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
3-Nitroaniline	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
-Nitroaniline	ND	1.98	3.96	ug/L	10	09/24/24 18:43	EPA 8270E	
Nitrobenzene	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
2,4-Dinitrotoluene	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
2,6-Dinitrotoluene	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	
Benzoic acid	ND	12.4	24.8	ug/L	10	09/24/24 18:43	EPA 8270E	
Benzyl alcohol	ND	0.990	1.98	ug/L	10	09/24/24 18:43	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Note
R1-0924 (A4I1251-08)	Result	Dimit	Limit	Matrix: Wate			24I0731	11010
Isophorone	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.248	0.495	ug/L	10	09/24/24 18:43	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	2.48	4.95	ug/L	10	09/24/24 18:43	EPA 8270E	
3,3'-Dichlorobenzidine	ND	4.95	9.90	ug/L	10	09/24/24 18:43	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	2.48	4.95	ug/L	10	09/24/24 18:43	EPA 8270E	
1,3-Dinitrobenzene	ND	2.48	4.95	ug/L	10	09/24/24 18:43	EPA 8270E	
1.4-Dinitrobenzene	ND	2.48	4.95	ug/L ug/L	10	09/24/24 18:43	EPA 8270E	
Pyridine	ND ND	0.990	1.98	ug/L ug/L	10	09/24/24 18:43	EPA 8270E	
1,2-Dichlorobenzene	ND ND	0.990	0.495	ug/L ug/L	10	09/24/24 18:43	EPA 8270E	
1,3-Dichlorobenzene	ND ND	0.248	0.495	ug/L ug/L	10	09/24/24 18:43	EPA 8270E	
1,4-Dichlorobenzene	ND ND	0.248	0.495	ug/L ug/L	10	09/24/24 18:43	EPA 8270E EPA 8270E	
<u>*</u>	ND							
Surrogate: Nitrobenzene-d5 (Surr) 2-Fluorobiphenyl (Surr)		Reco	very: 78 % 81 %	Limits: 44-120 % 44-120 %	10 10	09/24/24 18:43 09/24/24 18:43	EPA 8270E EPA 8270E	
2-Puorooipnenyi (Surr) Phenol-d6 (Surr)			25 %	10-133 %	10	09/24/24 18:43	EPA 8270E EPA 8270E	
p-Terphenyl-d14 (Surr)			102 %	50-134 %	10	09/24/24 18:43	EPA 8270E	
2-Fluorophenol (Surr)			36 %	19-120 %	10	09/24/24 18:43	EPA 8270E	
2,4,6-Tribromophenol (Surr)			116 %	43-140 %	10	09/24/24 18:43	EPA 8270E	
R2-0924 (A4I1251-09RE1)				Matrix: Wate	r	Batch:	2410731	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E	A-0
Acenaphthene	4.74	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	B-0
Acenaphthylene	0.780	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
Anthracene	0.164	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
Benz(a)anthracene	ND	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
Benzo(a)pyrene	0.0740	0.0619	0.124	ug/L	4	09/26/24 01:24	EPA 8270E	J
Benzo(b)fluoranthene	0.0812	0.0619	0.124	ug/L	4	09/26/24 01:24	EPA 8270E	J
Benzo(k)fluoranthene	ND	0.0619	0.124	ug/L	4	09/26/24 01:24	EPA 8270E	•
Benzo(g,h,i)perylene	ND	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
Chrysene	ND	0.0412	0.0825	ug/L ug/L	4	09/26/24 01:24	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0412	0.0825	ug/L ug/L	4	09/26/24 01:24	EPA 8270E	
Fluoranthene	1.50	0.0412	0.0825	ug/L ug/L	4	09/26/24 01:24	EPA 8270E	
Fluorene	ND	0.165	0.0623	ug/L ug/L	4	09/26/24 01:24	EPA 8270E	R-0
Indeno(1,2,3-cd)pyrene	ND ND	0.163	0.163	_	4	09/26/24 01:24	EPA 8270E EPA 8270E	14-0
1-Methylnaphthalene	ND ND	0.0412	0.0823	ug/L ug/L	4	09/26/24 01:24	EPA 8270E EPA 8270E	

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Menberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

		unds by EPA						
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R2-0924 (A4I1251-09RE1)				Matrix: Wa	ater	Batch:	2410731	
2-Methylnaphthalene	ND	0.0825	0.165	ug/L	4	09/26/24 01:24	EPA 8270E	
Naphthalene	ND	0.0825	0.165	ug/L	4	09/26/24 01:24	EPA 8270E	
Phenanthrene	ND	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
Pyrene	2.18	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
Carbazole	ND	0.0619	0.124	ug/L	4	09/26/24 01:24	EPA 8270E	
Dibenzofuran	ND	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E	
2-Chlorophenol	ND	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E	
2,4-Dichlorophenol	ND	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E	
2,4-Dimethylphenol	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E	
2,4-Dinitrophenol	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E	
2-Methylphenol	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
3+4-Methylphenol(s)	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
2-Nitrophenol	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E	
4-Nitrophenol	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E	
Pentachlorophenol (PCP)	0.726	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E	J
Phenol	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
2,3,5,6-Tetrachlorophenol	0.226	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E	J
2,4,5-Trichlorophenol	ND	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E	
Bis(2-ethylhexyl)phthalate	3.08	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
Butyl benzyl phthalate	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
Diethylphthalate	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
Dimethylphthalate	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
Di-n-butylphthalate	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
Di-n-octyl phthalate	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E	
N-Nitrosodimethylamine	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
N-Nitrosodiphenylamine	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

Comple Detection Depositing Detec										
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes		
R2-0924 (A4I1251-09RE1)				Matrix: Wate	ır	Batch:	2410731			
Hexachlorobenzene	ND	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E			
Hexachlorobutadiene	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
Hexachlorocyclopentadiene	ND	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E			
Hexachloroethane	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
2-Chloronaphthalene	ND	0.0412	0.0825	ug/L	4	09/26/24 01:24	EPA 8270E			
1,2,4-Trichlorobenzene	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
4-Bromophenyl phenyl ether	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
4-Chlorophenyl phenyl ether	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
Aniline	ND	0.206	0.412	ug/L	4	09/26/24 01:24	EPA 8270E			
4-Chloroaniline	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
2-Nitroaniline	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E			
3-Nitroaniline	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E			
4-Nitroaniline	ND	0.825	1.65	ug/L	4	09/26/24 01:24	EPA 8270E			
Nitrobenzene	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E			
2,4-Dinitrotoluene	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E			
2,6-Dinitrotoluene	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E			
Benzoic acid	ND	5.15	10.3	ug/L	4	09/26/24 01:24	EPA 8270E			
Benzyl alcohol	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E			
Isophorone	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
Azobenzene (1,2-DPH)	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
Bis(2-Ethylhexyl) adipate	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E			
3,3'-Dichlorobenzidine	ND	2.06	4.12	ug/L	4	09/26/24 01:24	EPA 8270E	Q-42, Q-52		
1,2-Dinitrobenzene	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E			
1,3-Dinitrobenzene	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E			
1,4-Dinitrobenzene	ND	1.03	2.06	ug/L	4	09/26/24 01:24	EPA 8270E			
Pyridine	ND	0.412	0.825	ug/L	4	09/26/24 01:24	EPA 8270E			
1,2-Dichlorobenzene	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
1,3-Dichlorobenzene	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
1,4-Dichlorobenzene	ND	0.103	0.206	ug/L	4	09/26/24 01:24	EPA 8270E			
Surrogate: Nitrobenzene-d5 (Surr)		Recove	ery: 100 %	Limits: 44-120 %	5 4	09/26/24 01:24	EPA 8270E			
2-Fluorobiphenyl (Surr)			78 %	44-120 %		09/26/24 01:24	EPA 8270E			
Phenol-d6 (Surr)			38 %	10-133 %	4	09/26/24 01:24	EPA 8270E			
p-Terphenyl-d14 (Surr)			101 %	50-134 %		09/26/24 01:24	EPA 8270E			
2-Fluorophenol (Surr)			49 %	19-120 %	4	09/26/24 01:24	EPA 8270E			

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sen	nivolatile Org	anic Compo	ounds by EPA	8270E			
	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
R2-0924 (A4I1251-09RE1)				Matrix: Water		Batch:	2410731	
Surrogate: 2,4,6-Tribromophenol (Surr)		Recov	ery: 104 %	Limits: 43-140 %	6 4	09/26/24 01:24	EPA 8270E	
R3-0924 (A4I1251-10)		Matrix: Water		er	Batch: 24I0731			
Naphthalene	453	2.00	4.00	ug/L	100	09/24/24 19:50	EPA 8270E	B-02
R3-0924 (A4I1251-10RE1)				Matrix: Wate	er	Batch: 24I0731		
Acenaphthene	161	0.400	0.800	ug/L	40	09/26/24 03:05	EPA 8270E	B-02
1-Methylnaphthalene	163	0.800	1.60	ug/L	40	09/26/24 03:05	EPA 8270E	
2-Methylnaphthalene	120	0.800	1.60	ug/L	40	09/26/24 03:05	EPA 8270E	
R3-0924 (A4I1251-10RE2)				Matrix: Water Batch: 2410731		2410731		
Fluorene	57.3	0.100	0.200	ug/L	10	09/26/24 22:45	EPA 8270E	
Phenanthrene	51.3	0.100	0.200	ug/L	10	09/26/24 22:45	EPA 8270E	
Dibenzofuran	63.3	0.100	0.200	ug/L	10	09/26/24 22:45	EPA 8270E	
4-Chloroaniline	ND	0.250	0.500	ug/L	10	09/26/24 22:45	EPA 8270E	
R3-0924 (A4I1251-10RE3)			Matrix: Water Batch: 2410731		2410731			
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.400	0.800	ug/L	4	09/30/24 22:48	EPA 8270E	A-01
Acenaphthylene	ND	2.04	2.04	ug/L	4	09/30/24 22:48	EPA 8270E	R-02
Anthracene	7.00	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	
Benz(a)anthracene	0.569	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	
Benzo(a)pyrene	0.219	0.0600	0.120	ug/L	4	09/30/24 22:48	EPA 8270E	
Benzo(b)fluoranthene	0.261	0.0600	0.120	ug/L	4	09/30/24 22:48	EPA 8270E	
Benzo(k)fluoranthene	0.123	0.0600	0.120	ug/L	4	09/30/24 22:48	EPA 8270E	M-05
Benzo(g,h,i)perylene	0.0402	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	J
Chrysene	0.662	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	
Fluoranthene	9.01	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	
Indeno(1,2,3-cd)pyrene	0.0542	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	J
Pyrene	6.83	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E	
Carbazole	10.7	0.0600	0.120	ug/L	4	09/30/24 22:48	EPA 8270E	
		0.200	0.400	110/T	4	09/30/24 22:48	EPA 8270E	
2-Chlorophenol	ND	0.200	0.400	ug/L	7	09/20/21/22110	EITT 0270E	
2-Chlorophenol 4-Chloro-3-methylphenol	ND ND	0.200 0.800	0.400	ug/L ug/L	4	09/30/24 22:48	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E									
A 1.	Sample	Detection	Reporting	TT 14	D.1 '.	Date	M.d. ID.S	N.	
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes	
R3-0924 (A4I1251-10RE3)				Matrix: Wa	Matrix: Water		2410731		
2,4-Dimethylphenol	1.38	1.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E	J	
2,4-Dinitrophenol	ND	2.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E		
4,6-Dinitro-2-methylphenol	ND	1.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E		
2-Methylphenol	3.25	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
3+4-Methylphenol(s)	8.27	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
2-Nitrophenol	ND	0.400	0.800	ug/L	4	09/30/24 22:48	EPA 8270E		
4-Nitrophenol	ND	0.800	0.800	ug/L	4	09/30/24 22:48	EPA 8270E		
Pentachlorophenol (PCP)	ND	0.400	0.800	ug/L	4	09/30/24 22:48	EPA 8270E		
Phenol	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
2,3,5,6-Tetrachlorophenol	ND	0.200	0.400	ug/L	4	09/30/24 22:48	EPA 8270E		
2,4,5-Trichlorophenol	ND	0.200	0.400	ug/L	4	09/30/24 22:48	EPA 8270E		
2,4,6-Trichlorophenol	ND	0.200	0.400	ug/L	4	09/30/24 22:48	EPA 8270E		
Bis(2-ethylhexyl)phthalate	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
Butyl benzyl phthalate	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
Diethylphthalate	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
Dimethylphthalate	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
Di-n-butylphthalate	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
Di-n-octyl phthalate	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E		
N-Nitrosodimethylamine	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
N-Nitroso-di-n-propylamine	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
N-Nitrosodiphenylamine	ND	1.04	1.04	ug/L	4	09/30/24 22:48	EPA 8270E		
Bis(2-Chloroethoxy) methane	ND	0.200	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
Bis(2-Chloroethyl) ether	ND	0.200	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
2,2'-Oxybis(1-Chloropropane)	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
Hexachlorobenzene	ND	0.0400	0.0800	ug/L	4	09/30/24 22:48	EPA 8270E		
Hexachlorobutadiene	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
Hexachlorocyclopentadiene	ND	0.200	0.400	ug/L	4	09/30/24 22:48	EPA 8270E		
Hexachloroethane	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
2-Chloronaphthalene	ND	0.320	0.320	ug/L	4	09/30/24 22:48	EPA 8270E	R-02	
1,2,4-Trichlorobenzene	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
4-Bromophenyl phenyl ether	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
4-Chlorophenyl phenyl ether	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E		
Aniline	ND	0.200	0.400	ug/L	4	09/30/24 22:48	EPA 8270E		

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Philip Nerenberg, Lab Director

Philip Neimberg

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AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sen	iivoiatile Organ	iic Compo	ounds by EPA 8	2/UE			•
	Sample		Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
R3-0924 (A4I1251-10RE3)				Matrix: Wate	r	Batch:	2410731	
2-Nitroaniline	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E	
3-Nitroaniline	ND	0.800	1.60	ug/L	4	09/30/24 22:48	EPA 8270E	
4-Nitroaniline	ND	3.20	3.20	ug/L	4	09/30/24 22:48	EPA 8270E	R-02
Nitrobenzene	ND	1.04	1.04	ug/L	4	09/30/24 22:48	EPA 8270E	R-02
2,4-Dinitrotoluene	ND	2.48	2.48	ug/L	4	09/30/24 22:48	EPA 8270E	R-02
2,6-Dinitrotoluene	ND	0.400	0.800	ug/L	4	09/30/24 22:48	EPA 8270E	
Benzoic acid	ND	5.00	10.0	ug/L	4	09/30/24 22:48	EPA 8270E	
Benzyl alcohol	ND	0.400	0.800	ug/L	4	09/30/24 22:48	EPA 8270E	
Isophorone	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.200	0.200	ug/L	4	09/30/24 22:48	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	1.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E	
3,3'-Dichlorobenzidine	ND	2.00	4.00	ug/L	4	09/30/24 22:48	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	1.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E	
1,3-Dinitrobenzene	ND	1.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E	
1,4-Dinitrobenzene	ND	1.00	2.00	ug/L	4	09/30/24 22:48	EPA 8270E	
Pyridine	ND	0.400	0.800	ug/L	4	09/30/24 22:48	EPA 8270E	
1,2-Dichlorobenzene	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E	
1,3-Dichlorobenzene	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E	
1,4-Dichlorobenzene	ND	0.100	0.200	ug/L	4	09/30/24 22:48	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recovery	v: 64 %	Limits: 44-120 %	4	09/30/24 22:48	EPA 8270E	
2-Fluorobiphenyl (Surr)			74 %	44-120 %		09/30/24 22:48	EPA 8270E	
Phenol-d6 (Surr)			25 %	10-133 %		09/30/24 22:48	EPA 8270E	
p-Terphenyl-d14 (Surr)			97 %	50-134 %		09/30/24 22:48	EPA 8270E	
2-Fluorophenol (Surr)			38 %	19-120 %		09/30/24 22:48	EPA 8270E	
2,4,6-Tribromophenol (Surr)			115 %	43-140 %	4	09/30/24 22:48	EPA 8270E	
Field Blank (A4I1251-11)				Matrix: Wate	r	Batch:	2410731	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	A-01
Acenaphthene	0.0276	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	B-02
Acenaphthylene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Anthracene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Benz(a)anthracene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Benzo(a)pyrene	ND	0.0144	0.0288	ug/L	1	09/24/24 20:23	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0144	0.0288	ug/L	1	09/24/24 20:23	EPA 8270E	
=(°)/IIII/IIII/III	עויו	0.0177	0.0200	ug/L	4	= = . = 0.23		

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sem	nivolatile Org	anic Compo	ınds by EPA	8270E			
	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Notes
Field Blank (A4I1251-11)		<u> </u>	<u> </u>	Matrix: Wa	ater	Batch:	2410731	
Benzo(k)fluoranthene	ND	0.0144	0.0288	ug/L	1	09/24/24 20:23	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Chrysene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Fluoranthene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Fluorene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
1-Methylnaphthalene	0.0251	0.0192	0.0385	ug/L	1	09/24/24 20:23	EPA 8270E	J
2-Methylnaphthalene	0.0386	0.0192	0.0385	ug/L	1	09/24/24 20:23	EPA 8270E	
Naphthalene	0.0425	0.0192	0.0385	ug/L	1	09/24/24 20:23	EPA 8270E	B-02
Phenanthrene	0.0162	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	J
Pyrene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Carbazole	ND	0.0144	0.0288	ug/L	1	09/24/24 20:23	EPA 8270E	
Dibenzofuran	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
2-Chlorophenol	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
4-Chloro-3-methylphenol	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
2,4-Dichlorophenol	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
2,4-Dimethylphenol	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	
2,4-Dinitrophenol	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	
2-Methylphenol	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
3+4-Methylphenol(s)	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
2-Nitrophenol	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
4-Nitrophenol	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
Pentachlorophenol (PCP)	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
Phenol	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
Butyl benzyl phthalate	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
Diethylphthalate	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
Dimethylphthalate	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Neimberg

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Note
ield Blank (A4I1251-11)				Matrix: W	ater	Batch:	2410731	
Di-n-butylphthalate	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
Di-n-octyl phthalate	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
N-Nitrosodimethylamine	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
V-Nitrosodiphenylamine	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.0577	0.0577	ug/L	1	09/24/24 20:23	EPA 8270E	R-02
,2'-Oxybis(1-Chloropropane)	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Iexachlorobenzene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
Iexachlorobutadiene	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Iexachlorocyclopentadiene	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
Iexachloroethane	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
-Chloronaphthalene	ND	0.00962	0.0192	ug/L	1	09/24/24 20:23	EPA 8270E	
,2,4-Trichlorobenzene	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
-Bromophenyl phenyl ether	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
-Chlorophenyl phenyl ether	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Aniline	ND	0.0481	0.0962	ug/L	1	09/24/24 20:23	EPA 8270E	
-Chloroaniline	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
-Nitroaniline	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
-Nitroaniline	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
-Nitroaniline	ND	0.192	0.385	ug/L	1	09/24/24 20:23	EPA 8270E	
Vitrobenzene	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
,4-Dinitrotoluene	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
,6-Dinitrotoluene	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
Benzoic acid	ND	1.20	2.40	ug/L	1	09/24/24 20:23	EPA 8270E	
Benzyl alcohol	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
sophorone	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	
,3'-Dichlorobenzidine	ND	0.481	0.962	ug/L	1	09/24/24 20:23	EPA 8270E	Q-52
,2-Dinitrobenzene	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	
,3-Dinitrobenzene	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	
,4-Dinitrobenzene	ND	0.240	0.481	ug/L	1	09/24/24 20:23	EPA 8270E	

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Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

	Sample	Detection	Reporting			Date		
Analyte	Result	Limit	Limit	Units	Dilution	Analyzed	Method Ref.	Note
Field Blank (A4I1251-11)				Matrix: Wate	r	Batch:	2410731	
Pyridine	ND	0.0962	0.192	ug/L	1	09/24/24 20:23	EPA 8270E	
1,2-Dichlorobenzene	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
1,3-Dichlorobenzene	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
1,4-Dichlorobenzene	ND	0.0240	0.0481	ug/L	1	09/24/24 20:23	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recon	very: 84 %	Limits: 44-120 %	1	09/24/24 20:23	EPA 8270E	
2-Fluorobiphenyl (Surr)			72 %	44-120 %	1	09/24/24 20:23	EPA 8270E	
Phenol-d6 (Surr)			26 %	10-133 %	1	09/24/24 20:23	EPA 8270E	
p-Terphenyl-d14 (Surr)			86 %	50-134 %	1	09/24/24 20:23	EPA 8270E	
2-Fluorophenol (Surr)			39 %	19-120 %	1	09/24/24 20:23	EPA 8270E	
2,4,6-Tribromophenol (Surr)			109 %	43-140 %	1	09/24/24 20:23	EPA 8270E	
R1-0924-Dup (A4I1251-12)				Matrix: Wate	r	Batch:	2410731	
2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	A-01
Acenaphthene	2.37	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	B-02
Acenaphthylene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Anthracene	0.139	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	J
Benz(a)anthracene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Benzo(a)pyrene	ND	0.150	0.300	ug/L	10	09/24/24 19:17	EPA 8270E	
Benzo(b)fluoranthene	ND	0.150	0.300	ug/L	10	09/24/24 19:17	EPA 8270E	
Benzo(k)fluoranthene	ND	0.150	0.300	ug/L	10	09/24/24 19:17	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Chrysene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Fluoranthene	0.279	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Fluorene	1.28	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
1-Methylnaphthalene	0.692	0.200	0.400	ug/L	10	09/24/24 19:17	EPA 8270E	
2-Methylnaphthalene	ND	0.200	0.400	ug/L	10	09/24/24 19:17	EPA 8270E	
Naphthalene	0.654	0.200	0.400	ug/L	10	09/24/24 19:17	EPA 8270E	B-02
Phenanthrene	0.238	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Pyrene	0.359	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Carbazole	0.187	0.150	0.300	ug/L	10	09/24/24 19:17	EPA 8270E	J
Dibenzofuran	0.522	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	-
2-Chlorophenol	ND	0.500	1.00	ug/L ug/L	10	09/24/24 19:17	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Menberg

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AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R1-0924-Dup (A4I1251-12)				Matrix: Wa			24I0731	
4-Chloro-3-methylphenol	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,4-Dichlorophenol	ND	0.500	1.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,4-Dimethylphenol	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,4-Dinitrophenol	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2-Methylphenol	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
3+4-Methylphenol(s)	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
2-Nitrophenol	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
4-Nitrophenol	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Pentachlorophenol (PCP)	5.86	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Phenol	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	0.500	1.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,4,5-Trichlorophenol	ND	0.500	1.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,4,6-Trichlorophenol	ND	0.500	1.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Butyl benzyl phthalate	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Diethylphthalate	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Dimethylphthalate	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Di-n-butylphthalate	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Di-n-octyl phthalate	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
N-Nitrosodimethylamine	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
N-Nitroso-di-n-propylamine	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
N-Nitrosodiphenylamine	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Bis(2-Chloroethoxy) methane	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Bis(2-Chloroethyl) ether	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
2,2'-Oxybis(1-Chloropropane)	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Hexachlorobenzene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
Hexachlorobutadiene	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Hexachlorocyclopentadiene	ND	0.500	1.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Hexachloroethane	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
2-Chloronaphthalene	ND	0.100	0.200	ug/L	10	09/24/24 19:17	EPA 8270E	
,2,4-Trichlorobenzene	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
l-Bromophenyl phenyl ether	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	

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Philip Nerenberg, Lab Director

Philip Marenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

ANALYTICAL SAMPLE RESULTS

			<u> </u>	ounds by EPA 82				
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
R1-0924-Dup (A4I1251-12)				Matrix: Water			2410731	
4-Chlorophenyl phenyl ether	ND	0.250	0.500					
1 7 1 7		0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Aniline	ND	0.500	1.00	ug/L	10	09/24/24 19:17	EPA 8270E	
4-Chloroaniline	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
2-Nitroaniline	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
3-Nitroaniline	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
4-Nitroaniline	ND	2.00	4.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Nitrobenzene	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,4-Dinitrotoluene	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
2,6-Dinitrotoluene	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Benzoic acid	ND	12.5	25.0	ug/L	10	09/24/24 19:17	EPA 8270E	
Benzyl alcohol	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Isophorone	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Azobenzene (1,2-DPH)	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Bis(2-Ethylhexyl) adipate	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
3,3'-Dichlorobenzidine	ND	5.00	10.0	ug/L	10	09/24/24 19:17	EPA 8270E	Q-52
1,2-Dinitrobenzene	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
1,3-Dinitrobenzene	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
1,4-Dinitrobenzene	ND	2.50	5.00	ug/L	10	09/24/24 19:17	EPA 8270E	
Pyridine	ND	1.00	2.00	ug/L	10	09/24/24 19:17	EPA 8270E	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	10	09/24/24 19:17	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		Recov	very: 77 %	Limits: 44-120 %	10	09/24/24 19:17	EPA 8270E	
2-Fluorobiphenyl (Surr)			75 %	44-120 %	10	09/24/24 19:17	EPA 8270E	
Phenol-d6 (Surr)			24 %	10-133 %	10	09/24/24 19:17	EPA 8270E	
p-Terphenyl-d14 (Surr)			105 %	50-134 %	10	09/24/24 19:17	EPA 8270E	
2-Fluorophenol (Surr)			35 %	19-120 %	10	09/24/24 19:17	EPA 8270E	
2,4,6-Tribromophenol (Surr)			118 %	43-140 %	10	09/24/24 19:17	EPA 8270E	

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: <u>Stella-Jones Corporation - Eugene</u>

 3140 NE Broadway Street
 Project Number: M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager: Cody Schweitzer
 A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Selecte	d Semivola	tile Orga	anic Com	pounds b	y EPA 82	270E				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0586 - EPA 3510C (<i>A</i>	Acid Extrac	tion)					Wa	ter				
Blank (24I0586-BLK1)			Prepared	: 09/19/24	06:54 Anal	lyzed: 09/19/	/24 15:41					
EPA 8270E												
2,3,4,6- & 2,3,4,5-Tetrachlorop	` '	0.100	0.200	ug/L	1							A-
2-Chlorophenol	ND	0.0500	0.100	ug/L	1							
4-Chloro-3-methylphenol	ND	0.100	0.200	ug/L	1							
2,4-Dichlorophenol	ND	0.0500	0.100	ug/L	1							
2,4-Dimethylphenol	ND	0.250	0.500	ug/L	1							
2,4-Dinitrophenol	ND	0.250	0.500	ug/L	1							
4,6-Dinitro-2-methylphenol	ND	0.250	0.500	ug/L	1							
2-Methylphenol	ND	0.0250	0.0500	ug/L	1							
3+4-Methylphenol(s)	ND	0.0250	0.0500	ug/L	1							
2-Nitrophenol	ND	0.100	0.200	ug/L	1							
4-Nitrophenol	ND	0.100	0.200	ug/L	1							
Pentachlorophenol (PCP)	ND	0.100	0.200	ug/L	1							
Phenol	ND	0.200	0.400	ug/L	1							
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 89 %	Limits: 44	4-120 %	Dilı	ution: 1x					
2-Fluorobiphenyl (Surr)			77 %	44	1-120 %		"					
Phenol-d6 (Surr)			26 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			86 %	50	0-134 %		"					
2-Fluorophenol (Surr)			45 %	19	0-120 %		"					
2,4,6-Tribromophenol (Surr)			110 %	43	3-140 %		"					
LCS (24I0586-BS1)			Prepared	: 09/19/24 (06:54 Anal	lyzed: 09/19/	/24 16:15					
EPA 8270E												
2-Chlorophenol	2.95	0.200	0.400	ug/L	4	4.00		74	38-120%			
4-Chloro-3-methylphenol	3.39	0.400	0.800	ug/L	4	4.00		85	52-120%			
2,4-Dichlorophenol	3.88	0.200	0.400	ug/L	4	4.00		97	47-121%			
2,4-Dimethylphenol	3.35	1.00	2.00	ug/L	4	4.00		84	31-124%			
2,4-Dinitrophenol	2.87	1.00	2.00	ug/L	4	4.00		72	23-143%			
4,6-Dinitro-2-methylphenol	3.42	1.00	2.00	ug/L	4	4.00		85	44-137%			
2-Methylphenol	2.87	0.100	0.200	ug/L	4	4.00		72	30-120%			
3+4-Methylphenol(s)	2.79	0.100	0.200	ug/L	4	4.00		70	29-120%			

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Philip Menberg

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

Project: Stella-Jo

Stella-Jones Corporation - Eugene

3140 NE Broadway Street Project Number: M0022.04.002

Portland, OR 97232 Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Selecte	d Semivol	atile Orga	anic Com	pounds b	y EPA 82	270E				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24l0586 - EPA 3510C (A	cid Extrac	tion)					Wa	ter				
LCS (24I0586-BS1)			Prepared	1: 09/19/24	06:54 Anal	yzed: 09/19/	/24 16:15					
2-Nitrophenol	3.23	0.400	0.800	ug/L	4	4.00		81	47-123%			Q-4
4-Nitrophenol	1.21	0.400	0.800	ug/L	4	4.00		30	10-120%			
Pentachlorophenol (PCP)	2.92	0.400	0.800	ug/L	4	4.00		73	35-138%			
Phenol	1.06	0.800	0.800	ug/L	4	4.00		26	10-120%			
2,3,4,6-Tetrachlorophenol	3.46	0.200	0.400	ug/L	4	4.00		86	50-128%			
2,3,5,6-Tetrachlorophenol	3.48	0.200	0.400	ug/L	4	4.00		87	50-121%			
2,4,5-Trichlorophenol	3.99	0.200	0.400	ug/L	4	4.00		100	53-123%			
2,4,6-Trichlorophenol	3.39	0.200	0.400	ug/L	4	4.00		85	50-125%			
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 86 %	Limits: 44	4-120 %	Dilı	ıtion: 4x					
2-Fluorobiphenyl (Surr)			86 %	44	4-120 %		"					
Phenol-d6 (Surr)			29 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			105 %	50	0-134 %		"					
2-Fluorophenol (Surr)			47 %	19	0-120 %		"					
2,4,6-Tribromophenol (Surr)			118 %	43	3-140 %		"					
LCS Dup (24I0586-BSD1)			Prepared	1: 09/19/24	06:54 Anal	yzed: 09/19/	/24 16:49					Q-19
EPA 8270E												
2-Chlorophenol	3.05	0.200	0.400	ug/L	4	4.00		76	38-120%	3	30%	
4-Chloro-3-methylphenol	3.26	0.400	0.800	ug/L	4	4.00		82	52-120%	4	30%	
2,4-Dichlorophenol	3.68	0.200	0.400	ug/L	4	4.00		92	47-121%	5	30%	
2,4-Dimethylphenol	3.43	1.00	2.00	ug/L	4	4.00		86	31-124%	2	30%	
2,4-Dinitrophenol	2.48	1.00	2.00	ug/L	4	4.00		62	23-143%	15	30%	
4,6-Dinitro-2-methylphenol	3.06	1.00	2.00	ug/L	4	4.00		77	44-137%	11	30%	
2-Methylphenol	2.94	0.100	0.200	ug/L	4	4.00		74	30-120%	2	30%	
3+4-Methylphenol(s)	2.71	0.100	0.200	ug/L	4	4.00		68	29-120%	3	30%	
2-Nitrophenol	2.87	0.400	0.800	ug/L	4	4.00		72	47-123%	12	30%	Q-4
4-Nitrophenol	1.03	0.400	0.800	ug/L	4	4.00		26	10-120%	16	30%	
Pentachlorophenol (PCP)	2.79	0.400	0.800	ug/L	4	4.00		70	35-138%	4	30%	
Phenol	1.01	0.800	0.800	ug/L	4	4.00		25	10-120%	5	30%	
2,3,4,6-Tetrachlorophenol	3.37	0.200	0.400	ug/L	4	4.00		84	50-128%	3	30%	
2,3,5,6-Tetrachlorophenol	3.36	0.200	0.400	ug/L	4	4.00		84	50-121%	4	30%	
2,4,5-Trichlorophenol	3.94	0.200	0.400	ug/L	4	4.00		99	53-123%	1	30%	
	3.40	0.200	0.400	ug/L	4	4.00		85	50-125%	0.5	30%	

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Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

AMENDED REPORT

Maul Foster & Alongi, INC.

Project: <u>Stella-Jones Corporation - Eugene</u>

3140 NE Broadway Street Portland, OR 97232 Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E Detection Reporting Spike Source % REC RPD Limits RPD Analyte Result Limit Units Dilution % REC Limit Notes Limit Amount Result Batch 24I0586 - EPA 3510C (Acid Extraction) Water LCS Dup (24I0586-BSD1) Prepared: 09/19/24 06:54 Analyzed: 09/19/24 16:49 Q-19 Recovery: 84 % Limits: 44-120 % Surr: 2-Fluorobiphenyl (Surr) Dilution: 4x Phenol-d6 (Surr) 27 % 10-133 % 102 % 50-134 % p-Terphenyl-d14 (Surr) 2-Fluorophenol (Surr) 42 % 19-120 % 2,4,6-Tribromophenol (Surr) 108 % 43-140 %

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AMENDED 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:

Stella-Jones Corporation - Eugene

Project Number: M0022.04.002

Report ID:

Project Manager: Cody Schweitzer

A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Selecte	d Semivola	atile Orga	anic Com	pounds b	y EPA 82	270E				
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0733 - EPA 3510C (Acid Extrac	ction)					Wa	ter				
Blank (24I0733-BLK1)			Prepared	: 09/24/24	12:13 Ana	lyzed: 09/25	/24 22:48					
EPA 8270E												
2,3,4,6- & 2,3,4,5-Tetrachlorop	henol(N)D	0.100	0.200	ug/L	1							A-
2-Chlorophenol	ND	0.0500	0.100	ug/L	1							
4-Chloro-3-methylphenol	ND	0.100	0.200	ug/L	1							
2,4-Dichlorophenol	ND	0.0500	0.100	ug/L	1							
2,4-Dimethylphenol	ND	0.250	0.500	ug/L	1							
2,4-Dinitrophenol	ND	0.250	0.500	ug/L	1							
4,6-Dinitro-2-methylphenol	ND	0.250	0.500	ug/L	1							
2-Methylphenol	ND	0.0250	0.0500	ug/L	1							
3+4-Methylphenol(s)	ND	0.0250	0.0500	ug/L	1							
2-Nitrophenol	ND	0.100	0.200	ug/L	1							
4-Nitrophenol	ND	0.100	0.200	ug/L	1							
Pentachlorophenol (PCP)	ND	0.100	0.200	ug/L	1							
Phenol	ND	0.200	0.400	ug/L	1							
2,3,5,6-Tetrachlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,5-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
2,4,6-Trichlorophenol	ND	0.0500	0.100	ug/L	1							
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 77 %	Limits: 44	4-120 %	Dilı	ution: 1x					
2-Fluorobiphenyl (Surr)			78 %	44	1-120 %		"					
Phenol-d6 (Surr)			23 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			85 %	50	0-134 %		"					
2-Fluorophenol (Surr)			37 %	19	0-120 %		"					
2,4,6-Tribromophenol (Surr)			94 %	43	3-140 %		"					
LCS (24I0733-BS1)			Prepared	: 09/24/24	12:13 Ana	lyzed: 09/25	/24 23:21					
EPA 8270E												
2-Chlorophenol	3.10	0.200	0.400	ug/L	4	4.00		78	38-120%			
4-Chloro-3-methylphenol	3.34	0.400	0.800	ug/L	4	4.00		84	52-120%			
2,4-Dichlorophenol	3.66	0.200	0.400	ug/L	4	4.00		92	47-121%			
2,4-Dimethylphenol	3.47	1.00	2.00	ug/L	4	4.00		87	31-124%			
2,4-Dinitrophenol	1.43	1.00	1.00	ug/L	4	4.00		36	23-143%			
4,6-Dinitro-2-methylphenol	3.06	1.00	2.00	ug/L	4	4.00		77	44-137%			
2-Methylphenol	2.68	0.100	0.200	ug/L	4	4.00		67	30-120%			
3+4-Methylphenol(s)	2.50	0.100	0.200	ug/L	4	4.00		62	29-120%			

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

 3140 NE Broadway Street
 Project Number: M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager: Cody Schweitzer
 A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0733 - EPA 3510C (A	cid Extrac	tion)					Wa	ter				
LCS (24I0733-BS1)			Prepared	1: 09/24/24	12:13 Ana	lyzed: 09/25	/24 23:21					
2-Nitrophenol	3.30	0.400	0.800	ug/L	4	4.00		82	47-123%			Q-4
4-Nitrophenol	0.804	0.400	0.800	ug/L	4	4.00		20	10-120%			
Pentachlorophenol (PCP)	1.79	0.400	0.800	ug/L	4	4.00		45	35-138%			
Phenol	0.982	0.800	0.800	ug/L	4	4.00		25	10-120%			
2,3,4,6-Tetrachlorophenol	3.19	0.200	0.400	ug/L	4	4.00		80	50-128%			
2,3,5,6-Tetrachlorophenol	2.84	0.200	0.400	ug/L	4	4.00		71	50-121%			
2,4,5-Trichlorophenol	3.80	0.200	0.400	ug/L	4	4.00		95	53-123%			
2,4,6-Trichlorophenol	3.29	0.200	0.400	ug/L	4	4.00		82	50-125%			
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 81 %	Limits: 44	1-120 %	Dili	ution: 4x					
2-Fluorobiphenyl (Surr)			81 %	44	-120 %		"					
Phenol-d6 (Surr)			25 %	10	133 %		"					
p-Terphenyl-d14 (Surr)			97 %	50	134 %		"					
2-Fluorophenol (Surr)			39 %	19	-120 %		"					
2,4,6-Tribromophenol (Surr)			103 %	43	-140 %		"					
LCS Dup (24I0733-BSD1) EPA 8270E			Prepared	1: 09/24/24	12:13 Ana	lyzed: 09/25	/24 23:54					Q-19
2-Chlorophenol	3.05	0.200	0.400	ug/L	4	4.00		76	38-120%	2	30%	
4-Chloro-3-methylphenol	3.46	0.400	0.800	ug/L	4	4.00		87	52-120%	3	30%	
2,4-Dichlorophenol	3.79	0.200	0.400	ug/L	4	4.00		95	47-121%	3	30%	
2,4-Dimethylphenol	3.46	1.00	2.00	ug/L	4	4.00		87	31-124%	0.1	30%	
2,4-Dinitrophenol	1.40	1.00	1.00	ug/L	4	4.00		35	23-143%	2	30%	
4,6-Dinitro-2-methylphenol	3.09	1.00	2.00	ug/L	4	4.00		77	44-137%	0.8	30%	
2-Methylphenol	2.76	0.100	0.200	ug/L	4	4.00		69	30-120%	3	30%	
3+4-Methylphenol(s)	2.56	0.100	0.200	ug/L	4	4.00		64	29-120%	2	30%	
2-Nitrophenol	3.40	0.400	0.800	ug/L	4	4.00		85	47-123%	3	30%	Q-4
4-Nitrophenol	0.838	0.400	0.800	ug/L	4	4.00		21	10-120%	4	30%	
Pentachlorophenol (PCP)	1.86	0.400	0.800	ug/L	4	4.00		47	35-138%	4	30%	
Phenol	1.00	0.800	0.800	ug/L	4	4.00		25	10-120%	2	30%	
2,3,4,6-Tetrachlorophenol	3.21	0.200	0.400	ug/L	4	4.00		80	50-128%	0.4	30%	
2,3,5,6-Tetrachlorophenol	2.91	0.200	0.400	ug/L	4	4.00		73	50-121%	2	30%	
2,4,5-Trichlorophenol	3.94	0.200	0.400	ug/L	4	4.00		99	53-123%	4	30%	
2,4,6-Trichlorophenol	3.39	0.200	0.400	ug/L				85	50-125%	3	30%	

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AMENDED 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:

Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Semivolatile Organic Compounds by EPA 8270E Detection Reporting Spike Source % REC RPD Analyte Result Limit Units Dilution % REC Limits RPD Limit Notes Limit Amount Result Batch 24I0733 - EPA 3510C (Acid Extraction) Water LCS Dup (24I0733-BSD1) Prepared: 09/24/24 12:13 Analyzed: 09/25/24 23:54 Q-19 Limits: 44-120 % Surr: 2-Fluorobiphenyl (Surr) Recovery: 83 % Dilution: 4x Phenol-d6 (Surr) 25 % 10-133 % 98 % 50-134 % p-Terphenyl-d14 (Surr) 2-Fluorophenol (Surr) 38 % 19-120 % 2,4,6-Tribromophenol (Surr) 104 % 43-140 %

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

 3140 NE Broadway Street
 Project Number: M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager: Cody Schweitzer
 A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24I0731 - EPA 3510C (Acid/Base Neutral) Water Blank (24I0731-BLK1) Prepared: 09/24/24 05:43 Analyzed: 09/24/24 15:19 EPA 8270E 2,3,4,6- & 2,3,4,5-Tetrachlorophenol(ND) 0.100 0.200 ug/L A-01 B-02, J 0.0103 0.0100 0.0200 ug/L Acenaphthene 1 ---Acenaphthylene ND 0.0100 0.0200 ug/L 1 ND 0.0100 0.0200 ug/L Anthracene 1 Benz(a)anthracene ND 0.0100 0.0200 ug/L ug/L 0.0300 Benzo(a)pyrene ND 0.0150 1 ---Benzo(b)fluoranthene ND 0.0150 0.0300 ug/L Benzo(k)fluoranthene 0.0150 0.0300 ND ug/L 1 ---Benzo(g,h,i)perylene ND 0.0100 0.0200 ug/L 1 Chrysene ND 0.0100 0.0200 ug/L 1 Dibenz(a,h)anthracene ND 0.0100 0.0200 ug/L 1 Fluoranthene ND 0.0100 0.0200 ug/L 1 ---------Fluorene ND 0.0100 0.0200 ug/L ND 0.0100 0.0200 Indeno(1,2,3-cd)pyrene ug/L 1 1-Methylnaphthalene ND 0.0200 0.0400 ug/L 1 2-Methylnaphthalene ND 0.0200 0.0400 ug/L 1 ------------B-02, J Naphthalene 0.0323 0.02000.0400ug/L 1 Phenanthrene ND 0.0100 0.0200 ug/L 1 ------------Pyrene ND 0.0100 0.0200 ug/L 1 ------Carbazole ND 0.0150 0.0300 ug/L 1 Dibenzofuran ND 0.01000.0200ug/L 1 ug/L 2-Chlorophenol ND 0.0500 0.100 1 4-Chloro-3-methylphenol ND 0.1000.200 ug/L 1 2,4-Dichlorophenol ND 0.0500 0.100 ug/L 1 2,4-Dimethylphenol 0.250 ND 0.500 ug/L 1 2,4-Dinitrophenol ND 0.250 0.500 ug/L 1 4,6-Dinitro-2-methylphenol ND 0.250 0.500 ug/L 1 0.0250 2-Methylphenol ND 0.0500 ug/L 1 ------3+4-Methylphenol(s) ND 0.0250 0.0500ug/L 1 2-Nitrophenol ND 0.1000.200 ug/L 1 4-Nitrophenol ND 0.1000.200 ug/L 1 Pentachlorophenol (PCP) ND 0.100 0.200 ug/L 1 Phenol ND 0.200 0.400 ug/L 1

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Philip Merenberg

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AMENDED 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:

Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS Semivolatile Organic Compounds by EPA 8270E

Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24I0731 - EPA 3510C (Acid/Base Neutral) Water Blank (24I0731-BLK1) Prepared: 09/24/24 05:43 Analyzed: 09/24/24 15:19 2,3,5,6-Tetrachlorophenol ND 0.0500 0.100 ug/L 0.0500 0.100 2,4,5-Trichlorophenol ND ug/L 1 ---------2,4,6-Trichlorophenol ND 0.0500 0.100 ug/L 1 Bis(2-ethylhexyl)phthalate ND 0.2000.400 ug/L 1 Butyl benzyl phthalate ND 0.2000.400 ug/L 1 Diethylphthalate ND 0.200 0.400 ug/L 1 Dimethylphthalate ND 0.200 0.400ug/L 1 ND 0.200 0.400 Di-n-butylphthalate ug/L 1 0.200 0.400 Di-n-octyl phthalate ND ug/L 1 N-Nitrosodimethylamine ND 0.0250 0.0500 ug/L 1 N-Nitroso-di-n-propylamine ND 0.02500.0500 ug/L 1 0.0250 0.0500 N-Nitrosodiphenylamine ND ug/L 1 ND 0.0250 Bis(2-Chloroethoxy) methane 0.0500 ug/L 1 ------Bis(2-Chloroethyl) ether 0.0572 0.0250 0.0500ug/L 1 В 2,2'-Oxybis(1-Chloropropane) ND 0.0250 0.0500 ug/L 1 ---Hexachlorobenzene ND 0.0100 0.0200ug/L Hexachlorobutadiene ND 0.0250 0.0500 ug/L 1 Hexachlorocyclopentadiene ND 0.0500 0.100 ug/L 1 Hexachloroethane ND 0.0250 0.0500 ug/L 1 ------2-Chloronaphthalene ND 0.0100 0.0200ug/L 1,2,4-Trichlorobenzene ND 0.0250 0.0500 ug/L 1 ---4-Bromophenyl phenyl ether ND 0.0250 0.0500 ug/L 1 4-Chlorophenyl phenyl ether ND 0.0250 0.0500 ug/L 1 Aniline ND 0.0500 0.100 ug/L 4-Chloroaniline ND 0.0250 0.0500 ug/L 1 ---------------2-Nitroaniline ND 0.200 0.400 ug/L 1 3-Nitroaniline ND 0.200 0.400 ug/L 1 ------4-Nitroaniline ND 0.200 0.400 ug/L 1 Nitrobenzene ND 0.100 0.200 ug/L 1 2,4-Dinitrotoluene ND 0.1000.200ug/L 1 2,6-Dinitrotoluene ND 0.100 0.200 ug/L 1

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ND

ND

ND

1.25

0.100

0.0250

2.50

0.200

0.0500

ug/L

ug/L

ug/L

Benzoic acid

Isophorone

Benzyl alcohol

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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AMENDED 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:

Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Sei	mivolatile	Organic	Compour	ds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0731 - EPA 3510C (A	cid/Base	Neutral)					Wa	ter				
Blank (24I0731-BLK1)			Prepared	1: 09/24/24	05:43 Ana	lyzed: 09/24	/24 15:19					
Azobenzene (1,2-DPH)	ND	0.0250	0.0500	ug/L	1							
Bis(2-Ethylhexyl) adipate	ND	0.250	0.500	ug/L	1							
3,3'-Dichlorobenzidine	ND	0.500	1.00	ug/L	1							Q-5
1,2-Dinitrobenzene	ND	0.250	0.500	ug/L	1							
1,3-Dinitrobenzene	ND	0.250	0.500	ug/L	1							
1,4-Dinitrobenzene	ND	0.250	0.500	ug/L	1							
Pyridine	ND	0.100	0.200	ug/L	1							
1,2-Dichlorobenzene	ND	0.0250	0.0500	ug/L	1							
1,3-Dichlorobenzene	ND	0.0250	0.0500	ug/L	1							
1,4-Dichlorobenzene	ND	0.0250	0.0500	ug/L	1							
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 78 %	Limits: 4	4-120 %	Dilı	ıtion: 1x					
2-Fluorobiphenyl (Surr)			68 %	44	4-120 %		"					
Phenol-d6 (Surr)			26 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			87 %	50	0-134 %		"					
2-Fluorophenol (Surr)			41 %	19	9-120 %		"					
2,4,6-Tribromophenol (Surr)			99 %	43	3-140 %		"					
LCS (24I0731-BS1)			Prepared	l: 09/24/24	05:43 Ana	lyzed: 09/24/	/24 15:53					
EPA 8270E												
Acenaphthene	2.74	0.0400	0.0800	ug/L	4	4.00		68	47-122%			B-0
Acenaphthylene	2.89	0.0400	0.0800	ug/L	4	4.00		72	41-130%			
Anthracene	3.47	0.0400	0.0800	ug/L	4	4.00		87	57-123%			
Benz(a)anthracene	3.53	0.0400	0.0800	ug/L	4	4.00		88	58-125%			
Benzo(a)pyrene	3.73	0.0600	0.120	ug/L	4	4.00		93	54-128%			
Benzo(b)fluoranthene	3.89	0.0600	0.120	ug/L	4	4.00		97	53-131%			
Benzo(k)fluoranthene	4.01	0.0600	0.120	ug/L	4	4.00		100	57-129%			
Benzo(g,h,i)perylene	3.71	0.0400	0.0800	ug/L	4	4.00		93	50-134%			
Chrysene	3.66	0.0400	0.0800	ug/L	4	4.00		92	59-123%			
Dibenz(a,h)anthracene	3.91	0.0400	0.0800	ug/L	4	4.00		98	51-134%			
Fluoranthene	3.68	0.0400	0.0800	ug/L	4	4.00		92	57-128%			
Fluorene	3.10	0.0400	0.0800	ug/L	4	4.00		77	52-124%			
Indeno(1,2,3-cd)pyrene	3.51	0.0400	0.0800	ug/L	4	4.00		88	52-134%			
1-Methylnaphthalene	2.37	0.0800	0.160	ug/L	4	4.00		59	41-120%			
2-Methylnaphthalene	2.29	0.0800	0.160	ug/L	4	4.00		57	40-121%			

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

3140 NE Broadway Street Project Number: M0022.04.002 Report ID:

Portland, OR 97232 Project Manager: Cody Schweitzer A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24I0731 - EPA 3510C (Acid/Base Neutral) Water LCS (24I0731-BS1) Prepared: 09/24/24 05:43 Analyzed: 09/24/24 15:53 2.28 0.08000.160 ug/L 4.00 57 40-121% B-02 Naphthalene 0.0400 0.0800 Phenanthrene 3.24 ug/L 4 4.00 81 59-120% ------Pyrene 3.53 0.0400 0.0800ug/L 4 4.00 88 57-126% Carbazole 3.58 0.06000.120 ug/L 4 4.00 90 60-122% 4 Dibenzofuran 2.76 0.04000.0800ug/L 4.00 69 53-120% 4 2-Chlorophenol 3.03 0.200 0.400 ug/L 4.00 76 38-120% 0.800 4 52-120% 4-Chloro-3-methylphenol 3.43 0.400 ug/L 4.00 86 0.200 0.400 4 91 2,4-Dichlorophenol 3.64 ug/L 4.00 47-121% 1.00 2.00 4 2,4-Dimethylphenol 3.36 ug/L 4.00 84 31-124% 2,4-Dinitrophenol 2.24 1.00 2.00 ug/L 4 4.00 56 23-143% 4 74 4,6-Dinitro-2-methylphenol 2.96 1.00 2.00 4.00 44-137% ug/L 0.200 4 79 2-Methylphenol 3.17 0.100 ug/L 4.00 30-120% 4 29-120% 3+4-Methylphenol(s) 0.100 0.200 4.00 76 3.04 ug/L 2-Nitrophenol 3.33 0.400 0.800ug/L 4 4.00 83 47-123% Q-41 4 4-Nitrophenol 0.400 0.800 4.00 27 10-120% 1.07 ug/L Pentachlorophenol (PCP) 2.56 0.400 0.800 ug/L 4 4.00 64 35-138% Phenol 1.27 0.800 0.800 4 32 ug/L 4.00 10-120% 2,3,4,6-Tetrachlorophenol 3.22 0.200 0.400 4 80 50-128% ug/L 4.00 0.400 4 2,3,5,6-Tetrachlorophenol 3.27 0.200 4.00 82 ug/L 50-121% ---2,4,5-Trichlorophenol 3.80 0.200 0.400 ug/L 4 4.00 95 53-123% 2,4,6-Trichlorophenol 3.25 0.200 0.400 4 4 00 81 50-125% ug/L Bis(2-ethylhexyl)phthalate 3.88 0.800 1.60 ug/L 4 4.00 97 55-135% Butyl benzyl phthalate 3.75 0.800 1.60 ug/L 4 4.00 94 53-134% Diethylphthalate 3.46 0.8001.60 ug/L 4 4.00 86 56-125% 3.45 0.800 1.60 4 4.00 45-127% Dimethylphthalate ug/L 86 ---Di-n-butylphthalate 4.09 0.800 1.60 ug/L 4 4.00 102 59-127% Di-n-octyl phthalate 3.94 0.800 1.60 4 4 00 98 51-140% ug/L ------N-Nitrosodimethylamine 1.24 0.100 0.200 ug/L 4 4.00 31 19-120% N-Nitroso-di-n-propylamine 3.55 0.100 0.200 ug/L 4 4.00 89 49-120% N-Nitrosodiphenylamine 3.42 0.1000.200 ug/L 4 4.00 85 51-123% Bis(2-Chloroethoxy) methane 2.99 0.100 0.200 4 4.00 75 48-120% ug/L В Bis(2-Chloroethyl) ether 2.70 0.100 0.200 ug/L 4 4.00 68 43-120% 2,2'-Oxybis(1-Chloropropane) 2.15 0.100 0.200 ug/L 4 4.00 54 41-120% Q-31

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Hexachlorobenzene

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53-125%

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4

4.00

0.0400

3.32

0.0800

ug/L



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

3140 NE Broadway StreetProject Number:M0022.04.002Report ID:Portland, OR 97232Project Manager:Cody SchweitzerA4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Se	mivolatile	Organic	Compour	nds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0731 - EPA 3510C (A	cid/Base N	Neutral)					Wa	iter				
LCS (24I0731-BS1)			Prepared	1: 09/24/24	05:43 Ana	lyzed: 09/24	/24 15:53					
Hexachlorobutadiene	1.33	0.100	0.200	ug/L	4	4.00		33	22-124%			
Hexachlorocyclopentadiene	0.817	0.200	0.400	ug/L	4	4.00		20	10-127%			
Hexachloroethane	1.42	0.100	0.200	ug/L	4	4.00		35	21-120%			
2-Chloronaphthalene	2.42	0.0400	0.0800	ug/L	4	4.00		60	40-120%			
1,2,4-Trichlorobenzene	1.66	0.100	0.200	ug/L	4	4.00		41	29-120%			
4-Bromophenyl phenyl ether	3.22	0.100	0.200	ug/L	4	4.00		81	55-124%			
4-Chlorophenyl phenyl ether	2.96	0.100	0.200	ug/L	4	4.00		74	53-121%			
Aniline	2.11	0.200	0.400	ug/L	4	4.00		53	10-120%			
4-Chloroaniline	3.02	0.100	0.200	ug/L	4	4.00		75	33-120%			
2-Nitroaniline	3.55	0.800	1.60	ug/L	4	4.00		89	55-127%			
3-Nitroaniline	3.76	0.800	1.60	ug/L	4	4.00		94	41-128%			
4-Nitroaniline	3.56	0.800	1.60	ug/L	4	4.00		89	25-120%			
Nitrobenzene	3.16	0.400	0.800	ug/L	4	4.00		79	45-121%			
2,4-Dinitrotoluene	3.60	0.400	0.800	ug/L	4	4.00		90	57-128%			
2,6-Dinitrotoluene	3.68	0.400	0.800	ug/L	4	4.00		92	57-124%			
Benzoic acid	2.09	2.00	2.00	ug/L	4	8.00		26	10-120%			
Benzyl alcohol	3.10	0.400	0.800	ug/L	4	4.00		78	31-120%			
Isophorone	3.02	0.100	0.200	ug/L	4	4.00		76	42-124%			
Azobenzene (1,2-DPH)	2.81	0.100	0.200	ug/L	4	4.00		70	61-120%			
Bis(2-Ethylhexyl) adipate	3.61	1.00	2.00	ug/L	4	4.00		90	63-121%			
3,3'-Dichlorobenzidine	25.0	2.00	4.00	ug/L	4	8.00		313	27-129%			Q-41, Q-29 Q-5
1,2-Dinitrobenzene	3.51	1.00	2.00	ug/L	4	4.00		88	59-120%			
1,3-Dinitrobenzene	3.33	1.00	2.00	ug/L	4	4.00		83	49-128%			
1,4-Dinitrobenzene	3.25	1.00	2.00	ug/L	4	4.00		81	54-120%			
Pyridine	1.78	0.400	0.800	ug/L	4	4.00		44	10-120%			
1,2-Dichlorobenzene	1.65	0.100	0.200	ug/L	4	4.00		41	32-120%			
1,3-Dichlorobenzene	1.39	0.100	0.200	ug/L	4	4.00		35	28-120%			
1,4-Dichlorobenzene	1.57	0.100	0.200	ug/L	4	4.00		39	29-120%			
Surr: Nitrobenzene-d5 (Surr)		Reco	very: 81 %	Limits: 4	4-120 %	Dilı	ution: 4x					
2-Fluorobiphenyl (Surr)			74 %	44	4-120 %		"					
Phenol-d6 (Surr)			29 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			96 %		0-134 %		"					
2-Fluorophenol (Surr)			37 %		0-120 %		"					
2,4,6-Tribromophenol (Surr)			99 %		3-140 %		"					

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Portland, OR 97232

ANALYTICAL REPORT

AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

Project: 3140 NE Broadway Street

Project Number: M0022.04.002 Report ID:

Project Manager: Cody Schweitzer A4I1251 - 10 15 24 1504

Stella-Jones Corporation - Eugene

QUALITY CONTROL (QC) SAMPLE RESULTS

Analyte	Result	Detection	Reporting									
		Limit	Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24l0731 - EPA 3510C (Aci	id/Base N	Neutral)					Wa	ter				
Matrix Spike (24I0731-MS2)			Prepared:	: 09/24/24	05:43 Anal	yzed: 09/26	/24 01:57					
QC Source Sample: R2-0924 (A4I12	251-09RE1	<u>1)</u>										
EPA 8270E												
Acenaphthene	8.94	0.0440	0.0879	ug/L	4	4.40	4.74	95	47-122%			B-0
Acenaphthylene	4.37	0.0440	0.0879	ug/L	4	4.40	0.780	82	41-130%			
Anthracene	4.17	0.0440	0.0879	ug/L	4	4.40	0.164	91	57-123%			
Benz(a)anthracene	4.25	0.0440	0.0879	ug/L	4	4.40	ND	97	58-125%			
Benzo(a)pyrene	4.67	0.0659	0.132	ug/L	4	4.40	0.0740	105	54-128%			
Benzo(b)fluoranthene	4.69	0.0659	0.132	ug/L	4	4.40	0.0812	105	53-131%			
Benzo(k)fluoranthene	4.50	0.0659	0.132	ug/L	4	4.40	ND	102	57-129%			
Benzo(g,h,i)perylene	4.37	0.0440	0.0879	ug/L	4	4.40	ND	99	50-134%			
Chrysene	4.27	0.0440	0.0879	ug/L	4	4.40	ND	97	59-123%			
Dibenz(a,h)anthracene	4.34	0.0440	0.0879	ug/L	4	4.40	ND	99	51-134%			
Fluoranthene	5.97	0.0440	0.0879	ug/L	4	4.40	1.50	102	57-128%			
Fluorene	3.90	0.0440	0.0879	ug/L	4	4.40	ND	86	52-124%			
Indeno(1,2,3-cd)pyrene	3.98	0.0440	0.0879	ug/L	4	4.40	ND	91	52-134%			
1-Methylnaphthalene	3.04	0.0879	0.176	ug/L	4	4.40	ND	69	41-120%			
2-Methylnaphthalene	3.00	0.0879	0.176	ug/L	4	4.40	ND	68	40-121%			
Naphthalene	3.02	0.0879	0.176	ug/L	4	4.40	ND	69	40-121%			B-0
Phenanthrene	3.90	0.0440	0.0879	ug/L	4	4.40	ND	89	59-120%			
Pyrene	6.56	0.0440	0.0879	ug/L	4	4.40	2.18	99	57-126%			
Carbazole	4.94	0.0659	0.132	ug/L	4	4.40	ND	112	60-122%			
Dibenzofuran	3.50	0.0440	0.0879	ug/L	4	4.40	ND	80	53-120%			
2-Chlorophenol	3.65	0.220	0.440	ug/L	4	4.40	ND	83	38-120%			
4-Chloro-3-methylphenol	4.52	0.440	0.879	ug/L	4	4.40	ND	103	52-120%			
2,4-Dichlorophenol	4.42	0.220	0.440	ug/L	4	4.40	ND	101	47-121%			
2,4-Dimethylphenol	4.27	1.10	2.20	ug/L	4	4.40	ND	97	31-124%			
2,4-Dinitrophenol	6.30	1.10	2.20	ug/L	4	4.40	ND	143	23-143%			
4,6-Dinitro-2-methylphenol	5.25	1.10	2.20	ug/L	4	4.40	ND	119	44-137%			
2-Methylphenol	3.64	0.110	0.220	ug/L	4	4.40	ND	83	30-120%			
3+4-Methylphenol(s)	3.62	0.110	0.220	ug/L	4	4.40	ND	82	29-120%			
2-Nitrophenol	3.95	0.440	0.879	ug/L	4	4.40	ND	90	47-123%			
4-Nitrophenol	2.25	0.440	0.879	ug/L	4	4.40	ND	51	10-120%			
Pentachlorophenol (PCP)	5.51	0.440	0.879	ug/L	4	4.40	0.726	109	35-138%			

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AMENDED 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: Stella-Jones Corporation - Eugene

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24I0731 - EPA 3510C (Acid/Base Neutral) Water Matrix Spike (24I0731-MS2) Prepared: 09/24/24 05:43 Analyzed: 09/26/24 01:57 QC Source Sample: R2-0924 (A4I1251-09RE1) Phenol 1.95 0.879 1.76 ug/L 4 4.40 ND 44 10-120% Q-41 0.220 0.440 ug/L 99 2,3,4,6-Tetrachlorophenol 4.34 4 4.40 ND 50-128% 2,3,5,6-Tetrachlorophenol 4.57 0.220 0.440 ug/L 4 4.40 0.226 99 50-121% 0-41 2,4,5-Trichlorophenol 5.03 0.220 0.440ug/L 4 4.40 ND 114 53-123% 2,4,6-Trichlorophenol 4.37 0.220 0.440 4 4.40 ND 99 50-125% ug/L ---Bis(2-ethylhexyl)phthalate 0.879 1.76 4 77 6.46 ug/L 4.40 3.08 55-135% Butyl benzyl phthalate 5.17 0.8791.76 ug/L 4 4.40 ND 118 53-134% 4 Diethylphthalate 1.76 97 56-125% 4.26 0.879 ug/L 4.40 ND Dimethylphthalate 4.20 0.879 1.76 ug/L 4 4.40 ND 95 45-127% Di-n-butylphthalate 4.88 0.879 1.76 ug/L 4 4.40 ND 111 59-127% Di-n-octyl phthalate 5.56 0.879 1.76 ug/L 4 4.40 ND 126 51-140% 0.220 4 N-Nitrosodimethylamine 2.41 0.11019-120% ug/L 4.40 ND 55 0.220 4 N-Nitroso-di-n-propylamine 4.33 0.110ug/L 4.40 ND 98 49-120% Q-41 4 4.40 N-Nitrosodiphenylamine 4.44 0.110 0.220 ND 101 51-123% ug/L 0.110 0.220 4 Bis(2-Chloroethoxy) methane 3.97 ug/L 4.40 ND 90 48-120% В Bis(2-Chloroethyl) ether 3.86 0.110 0.220 ug/L 4 4.40 ND 88 43-120% ___ 2,2'-Oxybis(1-Chloropropane) 4.09 0.110 0.220 ug/L 4 4.40 ND 93 41-120% 0.0440 0.08794 4 40 ND 82 53-125% Hexachlorobenzene 3.62 ug/L 0.220 4 47 22-124% Hexachlorobutadiene 2.05 0.110 ug/L 4.40 ND Hexachlorocyclopentadiene 0.220 0.440 4 4.40 ug/L ND 38 10-127% 1.67 2.18 0.110 0.220 4 4.40 21-120% Hexachloroethane ug/L ND 50 2-Chloronaphthalene 0.0440 0.0879 3.23 ug/L 4 4.40 ND 74 40-120% 1,2,4-Trichlorobenzene 2.35 0.110 0.220 ug/L 4 4.40 ND 53 29-120% 3.96 0.220 4 4.40 90 4-Bromophenyl phenyl ether 0.110 ug/L ND 55-124% ---4-Chlorophenyl phenyl ether 3.75 0.110 0.220 4 53-121% ug/L 4.40 ND 85 0.440 4 ND Aniline 2.78 0.220 4.40 10-120% ug/L 63 4-Chloroaniline 2.81 0.110 0.220 ug/L 4 4.40 ND 33-120% 64 0.879 4 104 2-Nitroaniline 4.55 1.76 ug/L 4.40 ND 55-127% ---3-Nitroaniline 3.44 0.879 1.76 ug/L 4 4.40 ND 78 41-128% 4-Nitroaniline 3.98 0.879 1.76 4 4 40 ND 90 25-120% ug/L Nitrobenzene 4.09 0.440 0.879 ug/L 4 4.40 ND 93 45-121% 0.440 0.879 4 106 2.4-Dinitrotoluene 4.65 ug/L 4.40 ND 57-128% ---

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2,6-Dinitrotoluene

3.99

0.440

0.879

ug/L

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57-124%

91

Philip Nerenberg, Lab Director

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4

4.40

ND



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

3140 NE Broadway StreetProject Number:M0022.04.002Report ID:Portland, OR 97232Project Manager:Cody SchweitzerA4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Se	mivolatile (Organic	Compour	nds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0731 - EPA 3510C (A	cid/Base N	Neutral)					Wa	ter				
Matrix Spike (24I0731-MS2)			Prepared	: 09/24/24	05:43 Ana	lyzed: 09/26	/24 01:57					
QC Source Sample: R2-0924 (A4)	I1251-09RE1	<u>D</u>										
Benzoic acid	7.20	5.49	11.0	ug/L	4	8.79	ND	82	10-120%			
Benzyl alcohol	3.75	0.440	0.879	ug/L	4	4.40	ND	85	31-120%			
Isophorone	4.07	0.110	0.220	ug/L	4	4.40	ND	93	42-124%			
Azobenzene (1,2-DPH)	3.83	0.110	0.220	ug/L	4	4.40	ND	87	61-120%			
Bis(2-Ethylhexyl) adipate	4.98	1.10	2.20	ug/L	4	4.40	ND	113	63-121%			
3,3'-Dichlorobenzidine	ND	2.20	4.40	ug/L	4	8.79	ND		27-129%			Q-01, Q-5
1,2-Dinitrobenzene	4.05	1.10	2.20	ug/L	4	4.40	ND	92	59-120%			
1,3-Dinitrobenzene	4.25	1.10	2.20	ug/L	4	4.40	ND	97	49-128%			
1,4-Dinitrobenzene	4.34	1.10	2.20	ug/L	4	4.40	ND	99	54-120%			
Pyridine	3.00	0.440	0.879	ug/L	4	4.40	ND	68	10-120%			
1,2-Dichlorobenzene	2.33	0.110	0.220	ug/L	4	4.40	ND	53	32-120%			
1,3-Dichlorobenzene	2.20	0.110	0.220	ug/L	4	4.40	ND	50	28-120%			
1,4-Dichlorobenzene	2.24	0.110	0.220	ug/L	4	4.40	ND	51	29-120%			
Surr: Nitrobenzene-d5 (Surr)		Reco	overy: 93 %	Limits: 4	4-120 %	Dili	ution: 4x					
2-Fluorobiphenyl (Surr)			76 %	44	4-120 %		"					
Phenol-d6 (Surr)			36 %	10	0-133 %		"					
p-Terphenyl-d14 (Surr)			96 %	50	0-134 %		"					
2-Fluorophenol (Surr)			47 %	19	9-120 %		"					
2,4,6-Tribromophenol (Surr)			101 %	43	3-140 %		"					
Matrix Spike Dup (24I0731-M	SD2)		Prepared	: 09/24/24	05:43 Ana	lyzed: 09/26	/24 02:31					
QC Source Sample: R2-0924 (A4)	I1251-09RE1	<u></u>										
EPA 8270E												
Acenaphthene	7.26	0.0440	0.0879	ug/L	4	4.40	4.74	57	47-122%	21	30%	B-0
Acenaphthylene	4.22	0.0440	0.0879	ug/L	4	4.40	0.780	78	41-130%	3	30%	
Anthracene	4.29	0.0440	0.0879	ug/L	4	4.40	0.164	94	57-123%	3	30%	
Benz(a)anthracene	4.27	0.0440	0.0879	ug/L	4	4.40	ND	97	58-125%	0.3	30%	
Benzo(a)pyrene	4.77	0.0659	0.132	ug/L	4	4.40	0.0740	107	54-128%	2	30%	
Benzo(b)fluoranthene	4.77	0.0659	0.132	ug/L	4	4.40	0.0812	107	53-131%	2	30%	
D (1) (1)				_								

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Benzo(k)fluoranthene

Benzo(g,h,i)perylene

Dibenz(a,h)anthracene

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Chrysene

4.56

4.49

4.32

4.62

0.0659

0.0440

0.0440

0.0440

0.132

0.0879

0.0879

0.0879

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104

102

98

105

57-129%

50-134%

59-123%

51-134%

1

3

6

30%

30%

30%

30%

Page 33 of 44

Philip Nerenberg, Lab Director

ug/L

ug/L

ug/L

ug/L

4

4

4

4

4.40

4.40

4.40

4.40

ND

ND

ND

ND



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

 3140 NE Broadway Street
 Project Number:
 M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager:
 Cody Schweitzer
 A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

		Se	mivolatile (Organic	Compour	ds by EP	A 8270E					
Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24I0731 - EPA 3510C (A	Acid/Base I	Neutral)					Wa	ter				
Matrix Spike Dup (24I0731-M	ISD2)		Prepared	: 09/24/24	05:43 Ana	lyzed: 09/26/	/24 02:31					
QC Source Sample: R2-0924 (A4	H1251-09RE	<u>D</u>										
Fluoranthene	5.78	0.0440	0.0879	ug/L	4	4.40	1.50	97	57-128%	3	30%	
Fluorene	4.02	0.0440	0.0879	ug/L	4	4.40	ND	88	52-124%	3	30%	
Indeno(1,2,3-cd)pyrene	4.14	0.0440	0.0879	ug/L	4	4.40	ND	94	52-134%	4	30%	
1-Methylnaphthalene	3.09	0.0879	0.176	ug/L	4	4.40	ND	70	41-120%	2	30%	
2-Methylnaphthalene	3.03	0.0879	0.176	ug/L	4	4.40	ND	69	40-121%	0.9	30%	
Naphthalene	2.97	0.0879	0.176	ug/L	4	4.40	ND	68	40-121%	2	30%	B-0
Phenanthrene	3.94	0.0440	0.0879	ug/L	4	4.40	ND	90	59-120%	1	30%	
Pyrene	6.55	0.0440	0.0879	ug/L	4	4.40	2.18	99	57-126%	0.02	30%	
Carbazole	4.98	0.0659	0.132	ug/L	4	4.40	ND	113	60-122%	0.9	30%	
Dibenzofuran	3.62	0.0440	0.0879	ug/L	4	4.40	ND	82	53-120%	3	30%	
2-Chlorophenol	3.74	0.220	0.440	ug/L	4	4.40	ND	85	38-120%	2	30%	
4-Chloro-3-methylphenol	4.82	0.440	0.879	ug/L	4	4.40	ND	110	52-120%	6	30%	
2,4-Dichlorophenol	4.47	0.220	0.440	ug/L	4	4.40	ND	102	47-121%	1	30%	
2,4-Dimethylphenol	4.32	1.10	2.20	ug/L	4	4.40	ND	98	31-124%	1	30%	
2,4-Dinitrophenol	6.56	1.10	2.20	ug/L	4	4.40	ND	149	23-143%	4	30%	Q-0
4,6-Dinitro-2-methylphenol	5.47	1.10	2.20	ug/L	4	4.40	ND	125	44-137%	4	30%	
2-Methylphenol	3.71	0.110	0.220	ug/L	4	4.40	ND	85	30-120%	2	30%	
3+4-Methylphenol(s)	3.72	0.110	0.220	ug/L	4	4.40	ND	85	29-120%	3	30%	
2-Nitrophenol	4.04	0.440	0.879	ug/L	4	4.40	ND	92	47-123%	2	30%	
4-Nitrophenol	2.30	0.440	0.879	ug/L	4	4.40	ND	52	10-120%	2	30%	
Pentachlorophenol (PCP)	5.56	0.440	0.879	ug/L	4	4.40	0.726	110	35-138%	1	30%	
Phenol	1.96	0.879	1.76	ug/L	4	4.40	ND	45	10-120%	0.5	30%	
2,3,4,6-Tetrachlorophenol	4.52	0.220	0.440	ug/L	4	4.40	ND	103	50-128%	4	30%	
2,3,5,6-Tetrachlorophenol	4.72	0.220	0.440	ug/L	4	4.40	0.226	102	50-121%	3	30%	
2,4,5-Trichlorophenol	5.09	0.220	0.440	ug/L	4	4.40	ND	116	53-123%	1	30%	
2,4,6-Trichlorophenol	4.49	0.220	0.440	ug/L	4	4.40	ND	102	50-125%	3	30%	
Bis(2-ethylhexyl)phthalate	6.29	0.879	1.76	ug/L	4	4.40	3.08	73	55-135%	3	30%	
Butyl benzyl phthalate	5.12	0.879	1.76	ug/L	4	4.40	ND	116	53-134%	1	30%	
Diethylphthalate	4.40	0.879	1.76	ug/L	4	4.40	ND	100	56-125%	3	30%	
Dimethylphthalate	4.29	0.879	1.76	ug/L	4	4.40	ND	98	45-127%	2	30%	
Di-n-butylphthalate	5.00	0.879	1.76	ug/L	4	4.40	ND	114	59-127%	2	30%	
Di-n-octyl phthalate	5.48	0.879	1.76	ug/L	4	4.40	ND	125	51-140%	1	30%	
N-Nitrosodimethylamine	2.38	0.110	0.220	ug/L	4	4.40	ND	54	19-120%	1	30%	

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

Project: <u>Stella-Jones Corporation - Eugene</u>

3140 NE Broadway Street Project Number: M0022.04.002
Portland, OR 97232 Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection % REC RPD Reporting Spike Source Analyte Result Units Dilution % REC RPD Notes Limit Limit Amount Result Limits Limit Batch 24I0731 - EPA 3510C (Acid/Base Neutral) Water Matrix Spike Dup (24I0731-MSD2) Prepared: 09/24/24 05:43 Analyzed: 09/26/24 02:31 QC Source Sample: R2-0924 (A4I1251-09RE1) N-Nitroso-di-n-propylamine 4.37 0.110 0.220 ug/L 4 4.40 ND 99 49-120% 1 30% N-Nitrosodiphenylamine 4.47 0.110 0.220 ug/L 30% 4 4.40 ND 102 51-123% 0.5 Bis(2-Chloroethoxy) methane 3.92 0.110 0.220 ug/L 4 4.40 ND 89 48-120% 1 30% B Bis(2-Chloroethyl) ether 3.78 0.1100.220 ug/L 4 4.40 ND 86 43-120% 2 30% 2,2'-Oxybis(1-Chloropropane) 4.07 0.110 0.220 4 4.40 ND 93 41-120% 0.5 30% ug/L 3.67 0.0440 0.0879 4 53-125% 30% Hexachlorobenzene ug/L 4.40 ND 84 2 Hexachlorobutadiene 2.06 0.110 0.220 ug/L 4 4.40 ND 47 22-124% 0.4 30% Hexachlorocyclopentadiene 4 0.440 39 10-127% 4 30% 1.73 0.220 ug/L 4.40 ND Hexachloroethane 2.18 0.110 0.220 ug/L 4 4.40 ND 50 21-120% 0.07 30% 2-Chloronaphthalene 3.29 0.0440 0.0879 ug/L 4 4.40 ND 75 40-120% 2 30% 1,2,4-Trichlorobenzene 2.35 0.110 0.220 ug/L 4 4.40 ND 53 29-120% 0.08 30% 4.03 0.220 4 4-Bromophenyl phenyl ether 0.11092 55-124% 2 30% ug/L 4.40 ND 0.220 4 2 4-Chlorophenyl phenyl ether 3.83 0.110ug/L 4.40 ND 87 53-121% 30% 4 4.40 9 Aniline 3.03 0.220 0.440 ND 69 10-120% 30% ug/L 4-Chloroaniline 0.220 4 3.03 0.110 ug/L 4.40 ND 69 33-120% 8 30% 2-Nitroaniline 4.76 0.879 1.76 ug/L 4 4.40 ND 108 55-127% 4 30% 3-Nitroaniline 3.79 0.879 1.76 ug/L 4 4.40 ND 86 41-128% 10 30% 4-Nitroaniline 0.879 1.76 4 4 40 ND 99 25-120% 9 30% 4.37 ug/L 0.879 4 93 45-121% 30% Nitrobenzene 4.07 0.440ug/L 4.40 ND 0.6 0.879 2,4-Dinitrotoluene 0.440 4 4.40 4.79 ug/L ND 109 57-128% 3 30% 2.6-Dinitrotoluene 4.20 0.440 0.879 4 4.40 57-124% 5 30% ug/L ND 96 10-120% Benzoic acid 7.59 5.49 11.0 ug/L 4 8.79 ND 86 5 30% Benzyl alcohol 3.85 0.440 0.879 ug/L 4 4.40 ND 88 31-120% 3 30% 0.220 4 94 1 30% Isophorone 4.12 0.110ug/L 4.40 ND 42-124% Azobenzene (1,2-DPH) 3.89 0.110 0.220 4 89 61-120% 2 30% ug/L 4.40 ND 2.20 4 ND 30% Bis(2-Ethylhexyl) adipate 4.94 1.10 4.40 112 63-121% 0.9 ug/L 3,3'-Dichlorobenzidine ND 2.20 4.40 ug/L 4 8.79 ND 27-129% 30% Q-01, Q-52 4.09 2.20 4 93 59-120% 30% 1,2-Dinitrobenzene 1.10 ug/L 4.40 ND 0.9 1,3-Dinitrobenzene 4.43 1.10 2.20 ug/L 4 4.40 ND 101 49-128% 4 30% 1,4-Dinitrobenzene 4.46 1.10 2.20 4 4 40 ND 101 54-120% 3 30% ug/L Pyridine 3.07 0.440 0.879 ug/L 4 4.40 ND 70 10-120% 2 30% 0.110 0.220 4 0.03 30% 1,2-Dichlorobenzene 2.33 4.40 ND 53 32-120% ug/L 1,3-Dichlorobenzene 2.21 0.110 0.220 ug/L 4 4.40 ND 50 28-120% 0.3 30%

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Philip Nevenberg

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Philip Nerenberg, Lab Director

Page 35 of 44



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC.

Project:

Stella-Jones Corporation - Eugene

3140 NE Broadway Street Project Number: M0022.04.002

Portland, OR 97232 Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E Detection Reporting Spike Source % REC RPD Limits RPD Analyte Result Limit Units Dilution % REC Notes Limit Amount Result Limit Batch 24I0731 - EPA 3510C (Acid/Base Neutral) Water Matrix Spike Dup (24I0731-MSD2) Prepared: 09/24/24 05:43 Analyzed: 09/26/24 02:31 QC Source Sample: R2-0924 (A4I1251-09RE1) 4.40 1,4-Dichlorobenzene 2.25 0.110 0.220 ND 51 29-120% 0.3 30% ug/L Surr: Nitrobenzene-d5 (Surr) Recovery: 98 % Limits: 44-120 % Dilution: 4x 2-Fluorobiphenyl (Surr) 79 % 44-120 % 10-133 % Phenol-d6 (Surr) 38 % 50-134 % p-Terphenyl-d14 (Surr) 104 % 2-Fluorophenol (Surr) 49 % 19-120 % 43-140 % 2,4,6-Tribromophenol (Surr) 107 %

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Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

SAMPLE PREPARATION INFORMATION

		Selected Semi	volatile Organic Com	pounds by EPA 827	0E		
Prep: EPA 3510C (Ad	cid Extraction)				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 24I0586							
A4I1251-01RE1	Water	EPA 8270E	09/16/24 17:33	09/19/24 06:54	940mL/1mL	1000 mL/1 mL	1.06
A4I1251-02	Water	EPA 8270E	09/16/24 16:25	09/19/24 06:54	930mL/1mL	1000 mL/1 mL	1.08
A4I1251-03	Water	EPA 8270E	09/16/24 18:49	09/19/24 06:54	930mL/1mL	1000 mL/1 mL	1.08
Batch: 24I0733							
A4I1251-04RE1	Water	EPA 8270E	09/17/24 08:26	09/24/24 12:13	980mL/1mL	1000 mL/1 mL	1.02
A4I1251-05RE1	Water	EPA 8270E	09/17/24 09:39	09/24/24 12:13	990mL/1mL	1000 mL/1 mL	1.01
A4I1251-06RE1	Water	EPA 8270E	09/17/24 11:35	09/24/24 12:13	990mL/1mL	1000 mL/1 mL	1.01
A4I1251-07	Water	EPA 8270E	09/17/24 13:00	09/24/24 12:13	940mL/1mL	1000 mL/1 mL	1.06

		Semivolat	ile Organic Compour	nds by EPA 8270E			
Prep: EPA 3510C (A	cid/Base Neutral)				Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
Batch: 24I0731							
A4I1251-08	Water	EPA 8270E	09/17/24 13:50	09/24/24 05:43	1010 mL/1 mL	1000 mL/1 mL	0.99
A4I1251-09RE1	Water	EPA 8270E	09/17/24 13:38	09/24/24 05:43	970mL/1mL	1000 mL/1 mL	1.03
A4I1251-10	Water	EPA 8270E	09/17/24 13:57	09/24/24 05:43	1000 mL/1 mL	1000 mL/1 mL	1.00
A4I1251-10RE1	Water	EPA 8270E	09/17/24 13:57	09/24/24 05:43	1000 mL/1 mL	1000 mL/1 mL	1.00
A4I1251-10RE2	Water	EPA 8270E	09/17/24 13:57	09/24/24 05:43	1000 mL/1 mL	1000 mL/1 mL	1.00
A4I1251-10RE3	Water	EPA 8270E	09/17/24 13:57	09/24/24 05:43	1000 mL/1 mL	1000mL/1mL	1.00
A4I1251-11	Water	EPA 8270E	09/17/24 14:02	09/24/24 05:43	1040 mL/1 mL	1000 mL/1 mL	0.96
A4I1251-12	Water	EPA 8270E	09/17/24 13:50	09/24/24 05:43	1000 mL/1 mL	1000mL/1mL	1.00

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6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

Apex Laboratories, LLC

ORELAP ID: OR100062

AMENDED REPORT

Maul Foster & Alongi, INC. 3140 NE Broadway Street

Portland, OR 97232

Stella-Jones Corporation - Eugene Project:

Project Number: **M0022.04.002** Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

QUALIFIER DEFINITIONS

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

Apex Laboratories

- A-01 Due to coelution of isomers, 2,3,4,6- and 2,3,4,5-Tetrachlorophenol (TCP) are reported as a sum and are Estimated Values. Results are calculated using the response factor of 2,3,4,6-TCP. Batch results accepted based on spike recovery of 2,3,4,6-TCP.
- Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.) В
- B-02 Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
- J Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified DL.
- M-05 Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- Q-01 Spike recovery and/or RPD is outside acceptance limits.
- Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for Q-19 analysis.
- Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high. Q-29
- Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely Q-31 biased low.
- O-41 Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely 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.)
- O-52 Due to known erratic recoveries, the result and reporting levels for this analyte are reported as Estimated Values. This analyte may not have passed all QC requirements for this method.
- R-02 The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- S-06 Surrogate recovery is outside of established control limits.

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Page 38 of 44 Philip Nerenberg, Lab Director



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

ORELAP ID: OR100062

Maul Foster & Alongi, INC. Project: Stella-Jones Corporation - Eugene

 3140 NE Broadway Street
 Project Number: M0022.04.002
 Report ID:

 Portland, OR 97232
 Project Manager: Cody Schweitzer
 A4I1251 - 10 15 24 1504

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)

Validated 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'.

Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

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).

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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 A4I1251 - 10 15 24 1504

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).

Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.

- -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.
- -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, if results are not reported to the MDL.

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

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Philip Nerenberg, Lab Director

Philip Nevenberg



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 Cody Schweitzer
 A4I1251 - 10 15 24 1504

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 <u>exception</u> of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
Water	EPA 8270E		2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)		
Water	EPA 8270E		2,3,4,6- & 2,3,4,5-Tetrachlorophenol(s)		
		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

Philip Manhera

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

Apex Laboratories

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Philip Nerenberg, Lab Director

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AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street Tigard, OR 97223 503-718-2323

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Maul Foster & Alongi, INC.

3140 NE Broadway Street Portland, OR 97232 Project:

Stella-Jones Corporation - Eugene

Project Number: M0022.04.002

Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

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Philip Nerenberg, Lab Director

Philip Menterg

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AMENDED 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:

Stella-Jones Corporation - Eugene

Project Number: M0022.04.002

Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

Y-002 R-00 Stozen Archive aldmas blok Form 4 6 Date: Lab # AZI 1251 COC RECEIVED B Signature: rinted Name 50005 Phenous TCLP Metals (8) Cochuneitzer@Maulfaster Al, Sb, As, Be, Cd, Ce, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ul, K, Se, Ag, Wa, Tl, V, Zn TOTAL DISS, TCLP Time: Sonos Priority Metals (13) RCRA Metals (8) Stella 8081 Pesticides CHAIN OF CUSTODY 8087 LCB2 1270 Semi-Vols Full List 8270 SIM PAHs 8700 AOCs Enii List 8260 Halo VOCs LRYSTAL NORBERY 1719 8700 KBDW AOC 8560 BTEX . Schweitze NWTPH-Gx 3 Day MWTPH-Dx NWTPH-HCID Standard Turn Around Time (TAT) = 10 Business Day # OF CONTAINERS 4 C 2 Day 5700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323 MATRIX 350 205 TIME 1216160 1 Day Broadwa 34/17/2 DATE 12887 OUR R1-0924-DUP TAT Requested (circle) SAMPLE ID Blan 6 Pany: (MEP 3140 Site Location: 60 Sampled by:

Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Nevenberg

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AMENDED 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: <u>Stella-Jones Corporation - Eugene</u>

Project Number: M0022.04.002
Project Manager: Cody Schweitzer

Report ID: A4I1251 - 10 15 24 1504

	APEX LABS COOLER RECEIPT	<u>r form</u>
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Delivered by: ApexClient	ESSFedEx_UPS_RadioMorg	gan SDS Evergreen Other
From USDA Regulated Original	gin? Yes No	
Cooler Inspection Date	time inspected: <u>9/17/24@ 17/9</u>	By: <u>FN</u>
Chain of Custody included?	***************************************	ALL FOR FO
Signed/dated by client?	Yes V No	
Contains USDA Reg. Soils?	Yes No Unsure	e (email RegSoils)
Out of temperature samples Sample Inspection: Date/All samples intact? Yes \(\subseteq \text{Posterior} \) Bottle labels/COCs agree? \(\text{VLAC} \) [154, COC COC/container discrepancie Containers/volumes received.	Comments: No Co	By: KN
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Apex Laboratories

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Philip Nerenberg, Lab Director

Philip Marenberg

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Data Validation Memorandum

Project No. M0022.04.002 | September 20, 2024 | Stella-Jones Corporation

Maul Foster & Alongi, Inc. (MFA), conducted an independent Stage 2A review of the quality of analytical results for groundwater and associated quality control (QC) samples collected in January, April, and September 2024 at the property located at 90049 Highway 99 North in Eugene, Oregon.

Apex Laboratories, LLC (Apex) and Analytical Resources, LLC (ARL) performed the analyses. MFA reviewed Apex report numbers A4A1533, A4E0805, and A4I1251, and ARL report numbers 24A0650, 24E0087, and 24I0408. Samples SOUTH POND-0124, NORTH POND-0124, R-3-0424, and R3-0924 were sent to both laboratories to meet project reporting limit needs for pentachlorophenol. The analyses performed and the samples analyzed are listed in the following tables.

Analysis	Reference
Pentachlorophenol	EPA 8041A
Semivolatile organic compounds	EPA 8270E

Notes

EPA = U.S. Environmental Protection Agency.

	Samples Analyzed	
Report A4A1533/24A0650	Report A4E08	305/24E0087
92-9-0124	90-5-0424	R-3-0424(a)
93-1A-0124	90-1D-0424	P-2D-0424
NORTH POND-0124(a)	92-9-0424	93-4-0424
SOUTH POND-0124(a)	R-1-0424	Field-0424
DUP-0124	R-1-0424-DUP	93-8-0424
	R-2-0424	-
	Report A4I1251/24I0408	
P-2D-0924	93-1A-0924	R2-0924
90-1D-0924	93-4-0924	R3-0924 ^(a)
93-3-0924	92-9-0924	Field Blank
93-8-0924	R1-0924	R1-0924-Dup

Note

Data Validation Procedures

Analytical results were evaluated according to applicable sections of U.S. Environmental Protection Agency (EPA) guidelines for data review (EPA 2020) and appropriate laboratory- and method-specific guidelines (Apex 2023, ARL 2023, EPA 1986).

Based on the data quality assurance/quality control review described herein, the data, with the appropriate final data qualifiers assigned, are considered acceptable for their intended use. Final data qualifiers represent qualifiers originating from the laboratory and accepted by the reviewer, and data qualifiers assigned by the reviewer during validation.

Final data qualifiers:

⁽a) Sample analyzed by both Apex Laboratories, LLC and Analytical Resources, LLC.

- J = result is estimated.
- J- = result is estimated, but the result may be biased low.
- J+ = result is estimated, but the result may be biased high.
- R = result is rejected. The analyte may or may not be present in the sample.
- U = result is non-detect at the laboratory detection limit (LDL).
- UJ = result is non-detect with an estimated LDL.

General Qualifications

Samples SOUTH POND-0124, NORTH POND-0124, R-3-0424, and R-3-0924 were analyzed for pentachlorophenol by both laboratories. Apex provided EPA Method 8270E results and ARL included EPA Method 8041A results. The result of the record is based on the lower-limit EPA Method 8041A analysis and is shown in the table below. The remaining result has been flagged by the reviewer as not reportable.

Report	Sample	Analyte	Laboratory Result (ug/L)	Result of Record (ug/L)
A4A1533	NORTH POND-	Dentachlerenhenel	0.140 J (NR)	
24A0650	0124	Pentachlorophenol	0.069	0.069
A4A1533	SOUTH POND-	Dentachlerenhenel	0.167 J (NR)	-
24A0650	0124	Pentachlorophenol	0.059	0.059
A4E0805	R-3-0424	Dentachlerenhenel	4.90 U (NR)	
24E0087	R-3-0424	Pentachlorophenol	0.172	0.172
A4I1251	R-3-0924 ^(a)	Dentachlerenhenel	0.400 U (NR)	
2410408	K-3-0924(a)	Pentachlorophenol	0.083 J	0.083 J ^(b)

Notes

In reports A4A1553, A4E0805, and A4I1251, Apex reported the EPA Method 8270E 2,3,4,5-tetrachlorophenol and 2,3,4,6-tetrachlorophenol results as a single coeluted result. Apex stated that the coeluted results had been calculated using the response factor of 2,3,4,6-tetrachlorophenol and that results were estimated values. Apex also noted that the coeluted results are not included on the Apex Oregon Environmental Laboratory Accreditation Program scope of certification. The reviewer qualified the results, as shown in the following table.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
	92-9-0124		0.246	0.246 J
A 4 A 4 E E O	93-1A-0124	2,3,4,6- & 2,3,4,5-	0.101 U	0.101 UJ
A4A1553	NORTH POND-0124	Tetrachlorophenol(s)	0.101 U	0.101 UJ
	SOUTH POND-0124		0.100 U	0.100 UJ

^{-- =} not applicable.

J = result is estimated.

NR = not reportable.

U = result is non-detect at the laboratory detection limit.

ug/L = micrograms per liter.

⁽a) Sample was reanalyzed by ARL due to laboratory method blank detection.

⁽b)Result qualified in the Holding Times section below. Refer to additional discussion in the General

Qualifications section regarding sample reanalysis by ARL.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
	DUP-0124		0.400 U	0.400 UJ
	90-5-0424		0.400 U	0.400 UJ
	90-1D-0424		0.400 U	0.400 UJ
	92-9-0424		0.400 U	0.400 UJ
	P-2D-0424		0.400 U	0.400 UJ
	93-4-0424		0.421 U	0.421 UJ
A4E0805	93-8-0424		0.105 U	0.105 UJ
	R-1-0424		0.952 U	0.952 UJ
	R-1-0424-DUP		0.962 U	0.962 UJ
	R-2-0424		2.22 U	2.22 UJ
	R-3-0424		4.90 U	4.90 UJ
	Field-0424	004600045	0.110 U	0.110 UJ
	90-1D-0924	2,3,4,6- & 2,3,4,5- Tetrachlorophenol(s)	0.108 U	0.108 UJ
	92-9-0924	Tetracinorophenoi(s)	0.426 U	0.426 UJ
	93-1A-0924		0.101 U	0.101 UJ
	93-3-0924		0.108 U	0.108 UJ
	93-4-0924		0.101 U	0.101 UJ
A4I1251	93-8-0924		0.102 U	0.102 UJ
A411251	FIELD BLANK		0.0962 U	0.0962 UJ
	P-2D-0924		0.106 U	0.106 UJ
	R1-0924		0.990 U	0.990 UJ
	R1-0924-DUP		1.00 U	1.00 UJ
	R2-0924		0.412 U	0.412 UJ
	R3-0924		0.400 U	0.400 UJ

Notes

J = result is estimated.

U = result is non-detect at the laboratory detection limit.

ug/L = micrograms per liter.

UJ = result is non-detect with an estimated laboratory detection limit.

According to reports A4A1533, A4E0805, and A4I1251, Apex flagged the EPA Method 8270E 2,3,5,6-tetrachlorophenol result from sample 92-9-0124 and benzo(k)fluoranthene results from samples R-2-0424 and R3-0924 as estimated due to insufficient peak separation of structural isomers. The associated sample results have been qualified by the reviewer with J, as shown in the following table.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
A4A1553	92-9-0124	2,3,4,5-Tetrachlorophenol	0.119	0.119 J
A4E0805	R-2-0424	Panza(k)fluaranthana	1.24	1.24 J
A4I1251	R3-0924	Benzo(k)fluoranthene	0.123	0.123 J

Notes

J = result is estimated.

ug/L = micrograms per liter.

In reports 4FE0805 and A4I1251, Apex flagged the EPA Method 8270E 3,3'-dichlorobenzidine results for all samples and associated batch quality control results as estimated due to known

erratic recoveries. The reviewer qualified the associated sample results, as shown in the following table.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
	R-1-0424		4.76 U	4.76 UJ
	R-1-0424-DUP		4.81 U	4.81 UJ
A4E0805	R-2-0424		11.1 U	11.1 UJ
	R-3-0424	3,3'-Dichlorobenzidine	24.5 U	24.5 UJ
	Field-0424		0.549 U	0.549 UJ
	R1-0924		4.95 U	4.95 UJ
	R2-0924		2.06 U	2.06 R ^(a)
A4I1251	R3-0924		2.00 U	2.00 UJ
	Field Blank		0.481 U	0.481 UJ
	R1-0924-Dup		5.00 U	5.00 UJ

Notes

R = result is rejected. The analyte may or may not be present in the sample.

U = result is non-detect at the laboratory detection limit.

ug/L = micrograms per liter.

UJ = result is non-detect with an estimated laboratory detection limit.

(a) Result is also qualified, as rejected, in Matrix Spike and Matrix Spike Duplicate Section. Final qualification is shown.

In report 24I0408, ARL reported two sets of EPA Method 8041A results for sample R3-0924. The original result was associated with a laboratory method blank detection greater than the sample concentration. The sample was reextracted and reanalyzed 20 days after the 7 day holding time with an acceptable laboratory method blank. Data qualification based on the holding time exceedance is discussed in the Holding Times section below. The reviewer determined that the result of record is based on the re-extracted and reanalyzed result, which is shown in the table below. Batch BMI0556 quality control results and surrogate results associated with the original extraction and analysis are not discussed because the result will not be reported.

Report	Sample	Analyte	Original Result (ug/L)	Secondary Result (ug/L)	Result of Record (ug/L)
2410408	R3-0924	Pentachlorophenol	0.059 (NR) ^(a)	0.083	0.083 J ^(b)

Notes

J = result is estimated.

NR = not reportable.

ug/L = micrograms per liter.

(a) Result flagged by reviewer as not reportable based on significant laboratory method blank detection.

(b)Result qualified by reviewer based on holding time exceedance and confirmation column relative percent difference exceedance.

Sample Conditions

Sample Custody

Sample custody was appropriately documented on the chain-of-custody (COC) forms accompanying the reports.

The reviewer confirmed that the gap in custody on the COC form accompanying reports 24A0650 are due to shipment via a third-party service.

There is a gap in custody of 44 minutes between the consultant PBS Engineering and Environmental and Apex on January 29, 2024, as shown on the COC attached to report A4A1533. The reviewer could not confirm sample custody during that time.

Holding Times

According to report 24I0408, the EPA Method 8041A batch BMJ0034 samples were prepared 20 days after the 7-day holding time. Additionally, ARL flagged the pentachlorophenol sample result because the reported value is greater than 40% difference between the concentration determined on two gas chromatograph columns. The associated surrogate results and batch quality control samples that were also qualified by ARL did not require additional qualifications. The associated sample result was qualified with J, due to the hold time exceedance and the secondary column relative percent difference (RPD) issue, as shown in the following table.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
2410408	R3-0924	Pentachlorophenol	0.083	0.083 J

Notes

J = result is estimated.

ug/L = micrograms per liter.

The remaining extractions and analyses were performed within the recommended holding times.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

Reporting Limits

The laboratories evaluated results to LDLs. Samples that required dilutions because of high analyte concentrations, matrix interferences, and/or dilutions necessary for preparation and/or analysis were reported with raised LDLs and method reporting limits (MRLs).

Apex qualified results between the LDL and the MRL with J, as estimated.

Blank Results

Field quality sample results may be qualified as a result of laboratory instrument or batch information, but original or unvalidated laboratory results associated with field quality control samples are used to assess impact on field samples.

Method Blanks

Laboratory method blanks are used to evaluate whether laboratory contamination was introduced during sample preparation and analysis. Laboratory method blank analyses were performed at the required frequencies, in accordance with laboratory- and method-specific requirements.

According to report A4E0805, the EPA Method 8270E batch 24E0175 laboratory method blank had an acenaphthene detection above the MRL, at a concentration of 0.0306 micrograms per liter (ug/L), and 1-methylnaphthaene and naphthalene detections between the LDL and MRL, at concentrations of 0.0373 ug/L and 0.0298 ug/L, respectively. The associated sample results were either non-detect or detected at concentrations greater than five times the concentration detected in the blank; thus, qualifications were not necessary.

According to report A4I1251, the EPA Method 8270E batch 24I0731 laboratory method blank had acenaphthene and naphthalene detections between the LDL and MRL, at concentrations of 0.0103 ug/L and 0.0323 ug/L, respectively, and a bis(2-chloroethyl) ether detection above the MRL at a concentration of 0.0572 ug/L. The associated sample results less than five times the concentration detected in the blank were qualified in the table below.

Report	Sample	Analyte	Laboratory Method Blank (ug/L)	Original Result (ug/L)	Qualified Result (ug/L)
A4I1251	Field Blank	Acenaphthene	0.0103 J	0.0276	0.0276 J+
M411231	FIEIU DIAIIK	Naphthalene	0.0323 J	0.0425	0.0425 J+

Notes

J = result is estimated.

J+ = result is estimated, but the result may be biased high.

ug/L = micrograms per liter.

All remaining laboratory method blank results were non-detect to LDLs.

Field Blanks

Field blanks are used to assess if contamination from field conditions was introduced during sampling, preservation, and shipment to the laboratory.

One field blank (Field-0424) was submitted for analysis with report A4E0805. The field blank had a 3 & 4-methylphenol detection above the MRL, at a concentration of 0.0078 ug/L. The associated sample results were non-detect; thus, qualifications were not necessary.

One field blank (Field Blank) was submitted for analysis with report A4I1251. The field blank had acenaphthene, 2-methylnaphthalene, and naphthalene detections above the MRL, at concentrations of 0.0276 ug/L, 0.0386 ug/L, and 0.0425 ug/L, respectively and 1-methylnaphthalene and phenanthrene detections between the LDL and MRL, at concentrations of 0.0251 ug/L and 0.0162 ug/L, respectively. The associated sample results were either non-detect or greater than five times the concentration detected in the field blank; thus, qualifications were not necessary.

All remaining field blank results were non-detect to LDLs.

Trip Blanks

Trip blanks are used to evaluate whether volatile organic compound contamination was introduced during sample storage and during shipment between the sampling location and the laboratory.

Trip blank samples were not required for this sampling event because samples were not analyzed for volatile organic compounds.

Laboratory Control Sample and Laboratory Control Sample Duplicate Results

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) results are used to evaluate laboratory precision and accuracy. Where LCSD results were not reported, laboratory precision was evaluated using laboratory duplicate and/or matrix spike (MS) and matrix spike duplicate (MSD) results. All LCSs and remaining LCSDs were prepared and analyzed at the required frequency, in accordance with laboratory- and method-specific requirements.

According to report A4E0805, the EPA Method 8270E batch 24E0134 LCS and LCSD results for 2,4,5-tricholorophenol were above the upper percent recovery acceptance limit of 123 percent, at 124 percent and 127 percent, respectively. All associated sample results were non-detect; thus, no qualifications were necessary.

According to report A4E0805, the EPA Method 8270E batch 24E0175 LCS results for acenaphthene, fluorene, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, dibenzofuran, n-nitroso-di-n-propylamine, bis(2-chloroethyl)ether, 2,2'-oxybis(1-chloropropane), hexachlorobutadiene, hexachloroethane, 2-chloronaphthalene, 1,2,4-trichlorobenzene, 4-chlrorphenyl phenyl ether, 2,6-dinitrotoluene, azobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene recovered below the lower percent recovery acceptance limits, ranging from 8 percent to 56 percent. Additionally, the LCS result for 3,3'-dichlorobenzidine exceeded the upper percent acceptance limit of 129 percent, at 174 percent. The associated 3, 3'-dichlorobenzidine results were non-detect; thus, additional qualifications were not necessary. When the recovery was less than ten percent, the associated results were qualified with R and when the recovery was greater than ten percent, the results were qualified with UJ, as shown in the following table.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
	FIELD-0424		0.0275 U	R
	R-1-0424		0.238 U	R
	R-1-0424-DUP	1,2,4-Trichlorobenzene	0.240 U	R
	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424		0.0275 U	R
	R-1-0424		0.238 U	R
	R-1-0424-DUP	1,2-Dichlorobenzene	0.240 U	R
	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424		0.0275 U	0.0275 UJ
	R-1-0424	Azobenzene	0.238 U	0.238 UJ
	R-1-0424-DUP		0.240 U	0.240 UJ
A 4 F 0 0 0 F	R-2-0424		1.11 U	1.11 UJ
A4E0805	R-3-0424		1.23 U	1.23 UJ
	FIELD-0424		0.0275 U	R
	R-1-0424		0.238 U	R
	R-1-0424-DUP	1,3-Dichlorobenzene	0.240 U	R
	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424		0.0275 U	R
	R-1-0424		0.238 U	R
	R-1-0424-DUP	1,4-Dichlorobenzene	0.240 U	R
	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424		0.0220 U	R
	R-1-0424	1-Methylnaphthalene	0.639	0.639 J-
	R-1-0424-DUP		0.659	0.659 J-

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Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
	R-2-0424	4 Mathada a abthalan a	110	110 J-
	R-3-0424	1-Methylnaphthalene	181	181 J-
	FIELD-0424		0.0275 U	0.0275 UJ
	R-1-0424	0.01.0	0.238 U	0.238 UJ
	R-1-0424-DUP	2,2'-Oxybis(1- chloropropane)	0.240 U	0.240 UJ
	R-2-0424	cinoroproparic)	0.556 U	0.556 UJ
	R-3-0424		1.23 U	1.23 UJ
	FIELD-0424		0.110 U	0.110 UJ
	R-1-0424		0.952 U	0.952 UJ
	R-1-0424-DUP	2,6-Dinitrotoluene	0.962 U	0.962 UJ
	R-2-0424		2.22 U	2.22 UJ
	R-3-0424		4.90 U	4.90 UJ
	FIELD-0424		0.0110 U	0.0110 UJ
	R-1-0424		0.0952 U	0.0952 UJ
	R-1-0424-DUP	2-Chloronaphthalene	0.0962 U	0.0962 UJ
	R-2-0424		0.889 U	0.889 UJ
	R-3-0424		0.490 U	0.490 UJ
	FIELD-0424		0.0220 U	R
	R-1-0424	2-Methylnaphthalene	0.316	0.316 J-
	R-1-0424-DUP		0.380	0.380 J-
	R-2-0424		20.4	20.4 J-
A4E0805	R-3-0424		171	171 J-
	FIELD-0424		0.0275 U	0.0275 UJ
	R-1-0424	4-Chlorophenyl	0.238 U	0.238 UJ
	R-1-0424-DUP	phenylether	0.240 U	0.240 UJ
	R-2-0424	p.i.e.i.y.eaiiei	0.556 U	0.556 UJ
	R-3-0424		1.23 U	1.23 UJ
	FIELD-0424		0.0110 U	0.0110 UJ
	R-1-0424		1.46	1.46 J-
	R-1-0424-DUP	Acenaphthene	1.58	1.58 J-
	R-2-0424		155	155 J-
	R-3-0424	175	175 J-	
	FIELD-0424		0.0275 U	R
	R-1-0424		0.238 U	R
	R-1-0424-DUP		0.240 U	R
	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424		0.0110 U	R
	R-1-0424		0.272	0.272 J-
	R-1-0424-DUP	Dibenzofuran	0.290	0.290 J-
	R-2-0424		59.6	59.6 J-
	R-3-0424		63.5	63.5 J-
	FIELD-0424	Fluorene	0.0110 U	0.0110 UJ

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Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
	R-1-0424		1.52	1.52 J-
	R-1-0424-DUP	Fluorene	1.69	1.69 J-
	R-2-0424	riuorene	82.8	82.8 J-
	R-3-0424		63.2	63.2 J-
	FIELD-0424		0.0275 U	R
	R-1-0424		0.238 U	R
	R-1-0424-DUP	Hexachlorobutadiene	0.240 U	R
	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424	Hexachloroethane	0.0275 U	R
	R-1-0424		0.238 U	R
A4E0805	R-1-0424-DUP		0.240 U	R
A4E0605	R-2-0424		0.556 U	R
	R-3-0424		1.23 U	R
	FIELD-0424	Naphthalene	0.0440 U	R
	R-1-0424		0.441	0.441 J-
	R-1-0424-DUP	Naphthalene	0.495	0.495 J-
	R-2-0424	марпипалене	1.11 U	R
	R-3-0424		565	565 J-
	FIELD-0424		0.0275 U	0.0275 UJ
	R-1-0424	ALADY ITAL	0.238 U	0.238 UJ
	R-1-0424-DUP	N-Nitrosodi-N- propylamine	0.240 U	0.240 UJ
	R-2-0424	ргоруганнис	1.11 U	1.11 UJ
	R-3-0424		1.23 U	1.23 UJ

Notes

J- = result is estimated, but the result may be biased low.

R = result is rejected. The analyte may or may not be present in the sample.

U = result is non-detect at the laboratory detection limit.

ug/L = micrograms per liter.

UJ = result is non-detect with an estimated laboratory detection limit.

According to report A4I1251, the EPA Method 8270E batch 24I0731 LCS result for 3,3'-dichlorobenzidine exceeded the upper percent acceptance limit of 129 percent, at 313 percent. The associated sample results were non-detect and previously qualified due to erratic recovery; thus, qualifications were not necessary.

All LCS and LCSD results were within acceptance limits for percent recovery and RPD.

Laboratory Duplicate Results

Laboratory duplicate results are used to evaluate laboratory precision and sample homogeneity. All laboratory duplicate samples were prepared and analyzed at the required frequency, in accordance with laboratory- and method-specific requirements.

Laboratory duplicate results greater than five times the MRL were evaluated using laboratory RPD control limits. A secondary criterion was used when laboratory duplicate results were non-detect or less than five times the MRL. Results meet the secondary criterion if the absolute difference of the

laboratory duplicate sample result and the parent sample result, or the MRL for non-detects, is equal to or less than the MRL value of the parent sample.

All laboratory duplicate results met the acceptance criteria.

Matrix Spike and Matrix Spike Duplicate Results

Matrix spike (MS) and matrix spike duplicate (MSD) results are used to evaluate laboratory precision, accuracy, and the effect of the sample matrix on sample preparation and target analyte recovery. All MS and MSD samples were prepared and analyzed at the required frequency, in accordance with laboratory- and method-specific requirements.

When MS and MSD were prepared from samples with high concentrations of target analytes, associated MS and/or MSD percent recovery and/or RPD control limit exceedances did not require qualification because spike concentrations could not be accurately quantified. High concentrations of target analytes are defined as four times the spike amount for all analyses.

When MS and MSD were prepared with samples from unrelated projects, the MS and/or MSD percent recovery and/or RPD control limit exceedances did not require qualification because these sample matrices were not representative of project sample matrices.

According to report A4E0805, the EPA Method 8270E batch 24E0175 MS and MSD prepared with sample R-2-0424 had multiple percent recovery and RPD exceedances. Results that were non-detect and associated with high percent recovery exceedances did not require qualifications. Because of dilutions required for preparation and/or analysis, the following MS and MSD spike concentrations less than or near the MRL could not be evaluated by the reviewer for recovery and qualification was not required: 4-chloro-3-methylphenol, 4,6-dinitro-2-methylphenol, 4-nitrophenol, phenol, butyl benzyl phthalate, diethylphthalate, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline, benzoic acid, bis(2-ethylhexyl) adipate, 3,3'-dichlorobenzidine, 1,2-dinitrobenzene, 1,3-dinitrobenzene, 1,4-dinitrobenzene, and pyridine..

According to report A4I1251, the EPA Method 8270E batch 24I0731 MS and MSD prepared with sample R2-0924 has a 3,3'-dichlorobenzidine results that did not recover and the MSD had a 2,4-dinitrophenol result greater than 149 percent, at 149 percent. The associated 2,4-dinitrophenol result was non-detect; thus, qualifications were not necessary. The associated 3,3'-dichlorobenzidine result was qualified with R, as shown in the following table.

Report	Sample	Analyte	Original Result (ug/L)	Qualified Result (ug/L)
A4I1251	R2-0924	3,3'-Dichlorobenzidine	2.06 U	R

Notes

R = result is rejected. The analyte may or may not be present in the sample.

U = result is non-detect at the laboratory detection limit.

ug/L = micrograms per liter.

All remaining MS and MSD results were within acceptance limits for percent recovery and RPD.

Surrogate Results

Surrogate results are used to evaluate laboratory performance of target organic compounds for individual samples.

When surrogate results were outside percent recovery acceptance limits because of dilutions necessary to quantify high concentrations of target analytes, qualification by the reviewer was not required because surrogate concentrations could not be accurately quantified.

When batch quality control samples had surrogate percent recovery exceedances, qualification by the reviewer was not required when batch quality control target analyte results were within percent recovery acceptance limits.

According to report A4A1533, the EPA Method 8270E base/neutral surrogate compound pterphenyl-d14 recovered below the lower acceptance limit of 50 percent, at 43 percent, 37 percent, and 45 percent respectively, for samples 92-9-0124, 93-1A-0124, and SOUTH POND-0124. The associated sample results only had acidic fractions reported; thus, qualifications were not necessary.

According to report A4I1251, the EPA Method 8270E base/neutral surrogate compound p-terphenyl-d14 recovered below the lower acceptance limit of 50 percent, at 44 percent for sample P-2D-0924. The associated sample results only had acidic fractions reported; thus, qualifications were not necessary.

All surrogate results were within percent recovery acceptance limits.

Field Duplicate Results

Field duplicate results are used to evaluate field precision and sample homogeneity. The following field duplicate and parent sample pairs were submitted for analysis:

Report	Parent Sample	Field Duplicate Sample
A4A1533	92-9-0124	DUP-0124
A4E0805	R-1-0424	R-1-0424-DUP
A4I1251	R1-0924	R1-0924-DUP

MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the MRL or 50 percent RPD for results that are greater than five times the MRL. RPD was not evaluated when both results in the sample pair were non-detect. When only one result in the sample pair was non-detect, RPD was evaluated using the LDL of the non-detect result.

All field duplicate results met the RPD acceptance criteria.

Data Package

The data packages were reviewed for transcription errors, omissions, and anomalies.

Report A4I1251 was revised on October 15, 2024 to update the analyte list to match the project analytical needs.

Report A4E0805 was revised on October 18, 2024 to update the analyte list to match the project analytical needs.

According to the Cooler Receipt form amended to report A4I1251, the time on the ambers glass sample containers associated with sample R3-0924 did not match the COC. The sample time written on the COC was used.

No additional issues were found.

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